County Council of Durham

ANNUAL REPORT

OF THE

Medical Officer of Health

AND

OTHER RECORDS

FOR THE YEAR

1954

Wm. Dresser & Sons, Ltd., Darlington

1956

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COUNTY COUNCIL OF DURHAM

To the Chairman and Members of the County Council of Durham.

Ladies and Gentlemen,

I have pleasure in submitting my annual report on the health of the administrative county and the work of the County Health Services for 1954.

It will be observed that assistant medical officers commenced duty in three further areas. In each case the officer is also medical officer of health for all the county districts comprising the area. This left only one area vacant but at the end of the year an appointment had been made there also. Progress in the review of the scheme for the appointment of medical officers of health in county districts made under Section III of the Local Government Act, 1933, continues. Agreement has been reached in most parts of the county and only a few local problems remain to be settled.

The only important change in the organisation of the County Health Services was the termination of the arrangement by which since July, 1948, a district midwifery service in certain, principally rural, areas of the county and a district nursing service throughout the county were provided by the County Nursing Association. This occurred on 1st April, after which date these services were provided directly. The staff of the Nursing Association were offered appointments with the County Council and all but one or two were able to accept the offer, the change over taking place without any interruption of service.

The organisation of the ambulance service, which since very shortly after its establishment has been labouring under the demand placed on it, has been under review for some time and this review was completed during the year. The proposed adjustments to the service are set out briefly in the body of the report. When they have been completed—and this may take a little time—it is hoped that the service may be able to overtake the work with greater efficiency and some economy.

The birth rate has been fairly stable for the last few years. The decline in the number of mothers attending the Council's ante-natal clinics, however, continued unabated. This is the fourth successive year in which this effect has been clearly noticeable.

Acute infectious diseases gave no cause for concern though the incidence of acute poliomyelitis was slightly higher than in 1953.

I welcome another chance of expressing my appreciation to the Chairman and Members of the Health Committee for their continued guidance and support, and of thanking the members of the staff of the Health Department for their assistance, not only in the preparation of this report, but in many other ways throughout the year.

I have the honour to be,

Ladies and Gentlemen,

Your obedient Servant,

IAN McCRACKEN.

County Health Department,
Shire Hall,
DURHAM.
November, 1955.

STAFF OF THE COUNTY HEALTH DEPARTMENT

COUNTY MEDICAL OFFICER OF HEALTH.

Ian McCracken, M.A., B.Sc., M.B., Ch.B., D.P.H.

DEPUTY COUNTY MEDICAL OFFICER OF HEALTH.

G. Wilson, M.B., B.S., B.Hy., D.P.H.

SENIOR WELFARE MEDICAL OFFICER.

E. S. Williamson, B.Sc., M.B., L.L.A., D.P.H.

ASSISTANT WELFARE MEDICAL OFFICERS.

M. L. Anderson, M.B., Ch.B.
J. A. Barrett, M.R.C.S., L.R.C.P.
L. R. Benham, M.B., B.S., D.P.H. (part-time).
M. Birch, M.B., B.S., appointed 14.10.54.
H. Blacklay, M.B., Ch.B., D.P.H., L.M., appointment terminated 15.7.54.
M. M. Copland, M.B., Ch.B., appointed 1.12.54.
*G. M. Cox, M.B., B.S.
M. M. Dickinson, M.R.C.S., L.R.C.P. (temporary).
P. Dixon, M.B., B.S.
A. J. M. Gilruth, B.Sc., M.B., Ch.B., D.Obst. R.C.O.G., D.C.H., appointed 1.6.54.
P. Greenslade, M.B., B.S. (part-time).
M. E. Hegarty, M.B., B.Ch., B.A.O.
M. J. Hegarty, M.B., B.Ch., B.A.O., D.P.H.
M. K. Henegan, M.B., B.S., D.P.H., appointment terminated 20.10.54.
H. Hindson, M.D., B.S. (part-time).
V. M. Merritt, M.B., B.S. (temporary)—resigned 31.10.54.
M. F. Murray, L.R.C.P., L.R.C.S. (temporary).
M. T. McFadden, M.B., B.Ch., B.A.O., D.P.H.
M. Raw, B.Sc., M.B., B.S., retired 30.4.54.
W. M. Rodgers, M.B., B.Ch., B.A.O., D.P.H. (part-time).
L. Ross, M.B., B.S. (temporary).
K. Schaps, M.D. (Heidleberg) also M.O. Hardwick Hall Maternity Home.
E. Schonberger, M.D. (Vienna).
J. Sherriffs, M.B., Ch.B.
H. W. Tonge, M.B., Ch.B. (part-time).
E. V. Tregillus, M.D., Ch.B. (part-time).

* Engaged in work of Children Department.

DENTAL SURGEONS—PART-TIME AT WELFARE CENTRES.

D. A. Husband, L.D.S.
J. F. Mallett, B.D.S.
W. Moss, L.D.S.
T. H. Smailes, L.D.S.
S. Todd, L.D.S.

Assistant Medical Officers.

Area No. 2. J. A. W. Reid, M.B., Ch.B., D.P.H.
Area No. 3. S. Ludkin, M.B., B.S., D.P.H.
Area No. 4. J. L. Siddle, M.B., B.S., D.P.H.
Area No. 5. L. A. M. Johnston, B.Sc., M.B., Ch.B., D.P.H.
Area No. 6. G. A. Macgregor, M.D., D.P.H.
Area No. 7. R. G. Drummond, M.B., Ch.B., D.P.H.
Area No. 8. J. W. A. Rodgers, M.B., B.Ch., D.P.H.
Area No. 9. J. G. Paley, M.R.C.S., L.R.C.P., D.P.H.
Area No. 10. H. G. Donald, M.B., Ch.B., D.P.H.
Area No. 11. M. W. Rodgers, M.B., B.Ch., B.A.O., D.P.H.
Area No. 12. H. J. Peters, M.B., B.Hy., D.P.H., D.P.A.

County Analyst (Part-time).

C. J. H. Stock, B.Sc., F.R.I.C. (until 30.6.54).

County Health Inspector.

T. S. Yarrow, C.R.S.I., M.S.I.A.

Superintendent Health Visitor.

Miss A. Fraser.

Deputy Superintendent Health Visitors.

Miss M. Pattison.
Miss E. D. Shaw (resigned 31.1.54).
Miss W. E. Morgan (appointed 1.4.54).

Health Visitors.

The establishment of health visitors is 140. On the 31st December there were 105 health visitors on the staff (including 8 temporary health visitors) and the following summary shows the qualifications possessed by them.

Supt. Health Visitor possesses qualifications number 1, 3, 4	1 Ministry of Health Certificate for Health Visitors.
1 Dep. Supt. Health Visitor ,, 1, 3, 4	2 Sanitary Inspectors' Certificate (Royal Sanitary Institute).
1 ,, ,, ,, ,, ,, 1, 3a, 4	3 Certificate of Central Midwives Board.
72 Health Visitors ,, 1, 3, 4	3a do. Part I only
30 ,, ,, ,, 1, 3a, 4	4 State Registered Nurse.
1 ,, ,, ,, 2, 3	
1 ,, ,, ,, 3, 4	
1 ,, ,, ,, 4	

Midwifery and Nursing Services.

Superintendent.

Miss K. Furness, S.R.N., S.C.M., H.V. Cert. combined appointment from 1.4.54.

Deputy Superintendents.

Miss N. Dodds, S.R.N., S.C.M., combined appointment from 1.4.54.
Miss N. Hawkins, S.R.N., S.C.M., R.F.N., H.V. Cert., Q.I.D.N., from 1.4.54.

Assistant Superintendents.

Miss E. Miller, S.R.N., S.C.M., H.V. Cert., Q.I.D.N. from 1.4.54.
Miss G. Patterson, S.R.N., S.C.M., Q.I.D.N. from 1.4.54.

Domiciliary Midwives and District Nurses.

129 District Midwives.
42 District Nurse-Midwives.
107 District Nurses.

Weights and Measures Inspectors, who also act as Food and Drugs Sampling Officers.

A. Graham (Chief).
J. Trotter, B.Sc. (Deputy).
C. Bateson.
T. Lamb.
R. A. Morrison.
E. G. Pickering.
J. H. Routledge.
E. Rowland.
D. H. Seaton.
I. A. Sharman.
J. W. Simpson.
G. W. Woods.

Nurseries.

5 Matrons, 38 Nursing and 15 Domestic Staff.

Mental Health.

7 Duly Authorised Officers.
1 Home Teacher.

Occupation Centres for Mental Defectives.

3 Supervisors.

Domestic Help Service.

1 Organiser. 13 Assistant Organisers.

Blind Persons.

17 Home Teachers.

Contact Tracing.

1 Social Worker.

Ambulance Service.

Ambulance Officer.
Assistant Staff Officer.
Maintenance Officer.
2 Divisional Staff Officers.
2 Liaison Officers.
281 Driver-Attendants.
30 Clerk Telephonists.
6 Mechanics.

STATISTICS.

Area (in acres)	620,275
Registrar-General's estimate of population, mid-1954 ...	910,690
Rateable value as at the 1st April, 1954	£4,348,265
Sum represented by a penny rate...	£16,496

		Total.	*Males.*	*Females*
Live Births	Legitimate	15,282	7,826	7,456
	Illegitimate	450	237	213
Stillbirths	Legitimate	392	208	184
	Illegitimate	14	6	8
Total births (live and still) ...		16,138	8,277	7,861

Birth Rate per 1,000 estimated population mid-1954 ...	17.3
Still-birth Rate per 1,000 total (live and still) births ...	25.2
Number of Deaths	10,457
Death rate per 1,000 estimated average population	11.5

Deaths from puerperal causes.—

	Deaths	*Rate per 1,000 total (Live and still) births*
Puerperal Sepsis	1	0.06
Other puerperal causes ...	13	0.81
Total ...	14	0.87

Death Rate of Infants under one year of age.—

All infants per 1,000 live births	31
Legitimate infants per 1,000 legitimate live births	31
Illegitimate infants per 1,000 illegitimate live births... ...	31

Deaths and Death Rates from.—

	No. of Deaths.	*Rate per 1,000 estimated average population.*
Cancer	1,874	2.06
Measles	2	0.002
Whooping Cough	6	0.01
Diarrhoea (under 2 years of age) ...	27	0.03
Scarlet Fever	—	—
Diphtheria	—	—
Typhoid and Paratyphoid ...	—	—

COMMITTEES.

The administration of matters affecting public health and of the National Health Service Acts, 1946-1952, and the National Assistance Acts, 1948 and 1951 in so far as they affect the County Council, devolve upon the Health Committee. In connection with the administration of the National Health Service Acts the following standing committees have been established.—

Maternity and Child Welfare

Ambulances

Midwifery, Home Nursing, Health Visiting and Domestic Help

Mental Health

E. F. Peile County Convalescent Home

These sub-committees with the exception of the Mental Health Sub-Committee which meets at two monthly intervals, have meetings in each month except August. In connection with the administration of the National Assistance Acts there is a standing Welfare Sub-Committee which meets monthly except in August.

There are twelve Area Health Sub-Committees which meet monthly, bi-monthly or quarterly.

AREA.

The area of the administrative county is 620,275 acres—143,043 in municipal boroughs and urban districts and 477,232 in rural districts—the density of population being 1.47 persons per acre.

On the 1st April in accordance with the Gateshead Extension Act, 1953, 90 acres were transferred from Felling Urban District to Gateshead County Borough.

In accordance with the County of Durham (Parishes of Cold Hesledon, Dalton-le-Dale, Haswell and Hawthorn) Confirmation Order, 1954, as from 1st April, 1.391 acres of the Parish of Hawthorn were transferred to the Parish of Haswell and approximately 5 acres of the Parish of Dalton-le-Dale were transferred to the Parish of Cold Hesledon.

The administrative county consist of 4 municipal boroughs, 21 urban districts and 10 rural districts. The area of each of these districts is given in Table B at the end of this report.

POPULATION.

The Registrar General's estimate of population for the administrative county for mid-year 1954 is 910,690 and shows an increase of 4,190 compared with his estimate for mid-year 1953. The estimated population of each sanitary district in the administrative county is given in Table B at the end of this report.

RATEABLE VALUE.

The rateable value of the administrative county on the 1st April, 1954, was £4,348,265 and a penny rate represented the sum of £16,496.

BIRTHS AND BIRTH-RATES.

The number of live births registered in the administrative county during 1954 was 15,732 equal to a rate of 17.3 per 1,000 population compared with 17.7 for the previous year. The provisional rate for England and Wales during 1954 is 15.2.

Of the total live births registered 7,826 males and 7,456 females were legitimate and 237 males and 213 females illegitimate, the percentage of illegitimate live births to total live births being 2.9 compared with 3.1 in 1953.

The number of still births registered was 406 equal to a rate of 25.2 per 1,000 (live and still) births compared with 23.9 during 1953. Of the still births registered 208 males and 184 females were legitimate and 6 males and 8 females illegitimate.

The stillbirth rate among illegitimate children was 30 per 1,000 births.

DEATHS AND DEATH-RATES.

The number of deaths registered in the administrative county during the year, after correction for inward and outward transfers, was 10,457 equal to a death-rate of 11.5 per 1,000 population compared with 11.0 in the previous year.

The adjusted death-rate for the administrative county in accordance with the comparability factor (1.15) supplied by the Registrar General is 13.2 per 1,000 population.

INFANT MORTALITY.

The number of deaths of infants under one year of age registered during the year was 484 and shows a decrease of 12 compared with the previous year. The infant mortality rate per 1,000 live births was equal to 31, the same as last year, the lowest on record for this county. The rate for England and Wales was 25.5.

The death-rate of legitimate infants under one year of age per 1,000 legitimate live births was 31 while the death-rate of illegitimate infants per 1,000 illegitimate live births was also 31.

Of the 484 deaths of children under one year of age 184 or 38% were registered as being due to prematurity occurring during the first four weeks of life.

The following table shows the number of births registered, the number of deaths of children under one year of age and the infant mortality rate for the last ten years.

TABLE 1.

Year.	Births.	Deaths under 1 year.	Rate per 1,000 Births.
1945	15,639	837	54
1946	18,408	909	49
1947	19,354	964	50
1948	17,779	831	47
1949	16,853	746	44
1950	16,132	648	40
1951	15,806	671	42
1952	15,575	513	33
1953	16,064	496	31
1954	15,732	484	31

BACTERIOLOGICAL LABORATORY FACILITIES.

The Medical Research Council, acting on behalf of the Ministry of Health, continue to be responsible for the administration of the public health laboratory service.

The laboratory situated at the Government Buildings, Ponteland Road, Newcastle upon Tyne, undertakes all examinations for the County of Durham.

Table 2 shows the number of specimens submitted for examination.

TREATMENT CENTRES AND CLINICS.

Maternity and Child Welfare Centres.—The number of welfare centres at the end of the year was 92.

Dental Clinics.—Seven clinics were in operation during the year, and in addition the school dental officers in Stockton-on-Tees, treated some children under 5 years.

Ante-Natal Clinics.—Sessions were being held at 87 centres at the end of the year.

Post-Natal Clinics.—At the end of the year the number of centres at which post-natal sessions were held was 24. At centres where numbers do not justify special sessions, advice is given at ante-natal clinics.

Birth Control Clinics.—Advice was given at 21 centres.

Nurseries.—Five day nurseries are in use but these are not used so extensively as previously owing to increased charges.

Artificial Sunlight Clinics.—The number of centres using ultra-violet ray lamps at the end of the year was 32.

NURSING HOMES.

During the year no applications were made to the County Council under section 194 of the Public Health Act, 1936, for the delegation of their powers to district councils. The maternity and nursing homes were periodically inspected.

REGISTERED NURSING HOMES.

Name and address.	*Description.*
Barton House, Yarm Road, Stockton-on-Tees.	Maternity and general.
Rosemount, 32, Bede Road, Barnard Castle.	Maternity and general.
Percy House, Neville's Cross, Durham.	Aged, infirm and borderline mental cases.
Broadmeadows Manor, *nr.* Castleside	General, chronic, aged and infirm.
Rockcliffe Park, Hurworth-on-Tees, (annexe to Hospital of St. John of God, Scorton).	Chronic sick (males).
"Ashbrooke," Newcastle Road, Neville's Cross, Durham.	Aged and infirm.

The certificate of exemption from registration under the Public Health Act, 1936, in respect of "Wayside," West Boldon, was again renewed for one year.

HEALTH CENTRES.

The County Council has agreed that health centres should be provided at Peterlee and Newton Aycliffe and provision for these two has already been made in the Council's building programme but formal approval to proceed with the buildings has not yet been received from the Ministry of Health. It has also been agreed that centres should, when circumstances permit, be built at Billingham, Stockton, Jarrow and New Seaham, in that order of priority.

TABLE 2.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Public Health Laboratory—Number of Specimens Submitted for Examination.

		General Practitioners.	Hospitals.	Chest Clinics and Sanatoria.	School Medical Officers.	District Medical Officers of Health.	TOTAL.
Swabs for :	Diphtheria	83	2	—	4	6	95
	Haem. streptococci ...	18	—	—	2	4	24
	Vincent's Angina	—	—	—	—	—	—
	Organisms	103	5	—	13	—	121
Blood for :	Widal examination ...	7	5	—	—	—	12
	Culture and misc. exam. ...	1	1	—	—	7	9
Sputum for :	Tubercle bacilli	85	117	5,415	3	—	5,620
	Organisms	10	5	26	—	—	41
C.S. Fluid for :	General Exam.	—	—	—	—	—	—
Faeces for :	Enteric, Dysentery, Food Poisoning, etc. ...	1,256	196	—	10	*2,509	3,971
Urine for :	Enteric	4	3	—	—	4	11
	Organisms	33	12	3	—	6	54
	Tubercle bacilli	8	50	13	—	—	71
Water for :	Coliform organisms ...	—	—	—	—	942	942
Ice Cream for :	Methylene blue test ...	—	—	—	—	428	428
Milk for :	Methylene blue test ...	—	—	—	—	215	215
	Phosphatases	—	—	—	—	—	—
	Meth. blue & phosphatase	—	—	—	—	402	402
	M.blue, phost. & Tub. Bac.	—	—	—	—	—	—
	M.blue & Tubercle Bacilli	—	—	—	—	26	26
	Turbidity	—	—	—	—	29	29
Miscellaneous for :	Pathogens	6	1	2	—	26	35
ANIMAL INOCULATION.							
Diphtheria swabs for virulence		—	—	—	—	—	—
Milk for tubercle bacilli		—	—	—	—	11	11
Miscellaneous for tubercle bacilli		6	28	348	—	—	382
	TOTALS	1,620	425	5,807	32	4,615	12,499

* includes 145 specimens submitted from Penshaw Residential Nursery.

CARE OF EXPECTANT AND NURSING MOTHERS AND CHILDREN UNDER SCHOOL AGE.

The proposals for carrying out the duties under Section 22 of the National Health Service Act, 1946, approved originally by the Minister of Health on the 19th May, 1948, were amended (and approved) on the 25th June, 1954 in Part III (Development Plan) (i) by the insertion immediately before the paragraph headed "Nurseries" of the following paragraph :

> "*Distribution of Welfare Foods.*—The Council propose, as part of their arrangements under Section 22, to distribute welfare foods supplied by the Ministry of Food, which are included in the National Welfare Foods Scheme ; and to purchase and distribute other welfare foods where the welfare of expectant and nursing mothers or young children so requires" ;

(ii) by the insertion immediately following the paragraph headed "Nurseries" of the following paragraph :

> "As the need arises the local health authority may make arrangements with any neighbouring local health authority for the admission in appropriate cases of children resident in the administrative county area to day nurseries maintained by the neighbouring local health authority on terms to be arranged" ; and

(iii) by the insertion of the following paragraph immediately before the paragraph headed "General" :

> "*Care of unmarried mothers and their children.*—If the arrangement with the Durham Diocesan Moral Welfare Association, under which the Association provide accommodation in their hostels for unmarried mothers and their children, should at any time be terminated the Local Health Authority may itself provide directly hostel accommodation for unmarried mothers and their children."

Centres.—Of the 92 welfare centres in the administrative county 40 are held in premises owned or wholly rented by the County Council, the remaining centres being held in premises, such as church halls, on a rental basis.

Table 3 shows the aggregate attendances at the welfare centres during the year and Table 4 the attendances at each welfare centre.

TABLE 3.

	Babies and Children's Sessions.			
	Under 1 year.	1 and under 2 years.	2 and under 5 years.	Ante-Natal Sessions.
No. on books	13,841	3,442	5,974	7,420
Attendances	89,139	11,104	14,278	34,147
Average attendances per session	18	2	3	8
Consultations ...	62,996	8,049	10,819	33,743
Average consultations per session	15	2	3	8

During the year 23,257 children made 114,521 attendances at the 92 centres compared with 24,326 children and 120,349 attendances in 1953.

The following statement gives the attendances of mothers from the county maternity and child welfare area at centres outside the area.—

	Mothers.	*Attendances.*
Darlington	100	319
Gateshead	113	399
South Shields	7	11
Sunderland	29	133
West Hartlepool	27	109
Yarm and Eaglescliffe	172	575
Totals	448	1,546

Ante-Natal Clinics.—During the year 7,420 expectant mothers made 34,147 attendances at 87 centres compared with 8,892 mothers and 40,456 attendances in 1953. Expectant mothers are attending hospital and general practitioner clinics in increasing numbers.

The following is an analysis of some features of 7,028 of the cases attending the ante-natal clinics.

Duration of Pregnancy at first attendance.

Under 3 months	1,256
3-6 months	3,840
6-9 months	1,932
Total	7,028

Age of Patients.

Under 20 years	492
20-25 years	2,645
26-30 years	2,120
31-35 years	1,237
36-40 years	424
41-45 years	108
46-50 years	2
Total	7,028

Number of Pregnancy.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2,495	2,095	1,225	605	266	155	90	45	22	14	9	3	2	1	1

Total.—7,028

Health of Mothers.

Poor	Moderate	Good	Total.
308	1,207	5,513	7,028

TABLE OF ATTENDANCES OF MOTHERS AND INFANTS AT CHILD WELFARE CENTRES.

CENTRES	No. on Books from 1.1.34				Attendances: Number				Attendances: Average per Session				Consultations: Number				Consultations: Average per Session			
		Children				Children				Children				Children				Children		
	Expectant Mothers	Under 1 year	Between 1—2 years	Between 2—5 years	Expectant Mothers	Under 1 year	Between 1—2 years	Between 2—5 years	Expectant Mothers	Under 1 year	Between 1—2 years	Between 2—5 years	Expectant Mothers	Under 1 year	Between 1—2 years	Between 2—5 years	Expectant Mothers	Under 1 year	Between 1—2 years	Between 2—5 years
Area No. 1.																				
Blaydon	110	145	41	86	545	955	141	196	11	20	3	4	534	938	140	189	11	20	3	4
Chopwell	63	89	17	32	259	400	37	59	11	17	2	3	259	393	36	53	11	16	2	2
Dunston	113	160	38	90	666	1173	104	164	14	24	2	3	666	1043	95	156	14	23	2	3
Marley Hill	15	37	13	23	50	244	34	79	2	9	1	3	48	177	16	37	2	7	1	1
Rowlands Gill	105	172	26	70	540	1079	141	98	11	21	3	2	540	853	91	81	11	18	2	2
Ryton	94	247	79	157	473	1653	288	398	12	17	3	4	470	1574	274	370	12	17	3	4
Whickham	13	80	17	32	45	366	62	72	2	15	3	3	45	228	33	48	2	12	2	2
Winlaton	104	210	59	105	411	1174	147	188	9	15	2	2	411	1141	141	178	9	15	2	2
	617	1140	290	595	2989	7044	954	1254	9	17	2	3	2973	6347	826	1112	9	16	2	3
Area No. 2.																				
Felling	252	231	49	121	846	1186	121	206	9	15	2	3	837	1069	112	192	9	14	2	3
Hebburn	348	367	93	170	1680	2308	280	426	17	24	3	4	1680	1934	213	357	17	21	2	4
Jarrow																				
Gordon House	106	—	—	—	345	—	—	—	14	—	—	—	345	—	—	—	14	—	—	—
Simonside	—	165	16	51	—	1228	44	118	—	24	1	2	—	665	27	61	—	14	1	1
Walter Street	174	302	57	121	622	2230	204	306	13	23	2	3	622	1101	128	188	13	15	2	3
	880	1065	215	463	3493	6952	649	1056	13	22	2	3	3484	4769	480	798	13	16	2	3
Area No. 3.																				
Annfield Plain	154	184	59	71	708	1307	158	151	14	27	3	3	708	1207	144	139	14	25	3	3
Burnhope	21	42	11	20	78	158	37	24	3	7	2	1	78	140	33	23	3	6	2	1
Burnopfield	32	80	20	65	162	450	104	150	7	18	4	6	162	380	80	133	7	15	3	6
Consett	137	299	74	170	571	1433	129	263	6	12	1	2	571	1277	121	248	6	11	1	2
Craghead	69	94	28	32	256	585	61	39	10	23	3	2	256	508	59	38	10	21	3	2
Dipton	70	73	19	29	320	473	60	54	13	19	2	2	320	466	56	51	13	19	2	2
Lanchester	28	37	12	24	108	218	45	66	5	9	2	3	106	215	45	66	5	9	2	3
Langley Park	54	81	33	31	290	479	72	63	12	19	3	3	290	420	65	59	12	18	3	3
Shotley Bridge	6	90	15	21	26	459	41	78	1	18	2	3	26	401	29	64	1	15	1	3
South Moor	26	93	19	22	96	516	42	44	4	22	2	2	96	325	30	37	4	14	1	2
Tanfield Lea	40	61	9	28	140	448	30	104	5	17	1	4	140	418	29	94	5	16	1	4
West Stanley	127	184	42	90	662	1107	128	214	13	22	3	4	659	862	84	173	13	18	2	4
	764	1318	341	603	3417	7633	907	1250	8	18	2	3	3412	6619	775	1125	8	16	2	3
Area No. 4.																				
Birtley	166	194	57	100	806	1013	140	253	10	20	3	5	802	875	132	232	10	18	3	5
Chester-le-Street	270	312	93	125	1504	1739	245	233	10	17	2	2	1493	1499	222	199	10	16	2	2
Grange Villa	80	132	24	48	338	964	86	123	7	19	2	2	338	891	81	117	7	18	2	2
Sacriston	35	167	50	118	140	911	96	186	5	14	2	3	140	857	93	181	5	14	2	3
	551	805	224	391	2788	4627	567	795	8	18	2	3	2773	4122	528	729	8	17	2	3
Area No. 5.																				
Boldon	80	123	17	16	246	747	47	30	9	28	2	1	246	551	36	25	9	21	1	1
Castletown	14	78	24	46	64	409	121	156	3	17	5	7	63	332	77	120	3	14	3	5
Hetton	173	189	51	52	901	950	156	105	18	19	3	2	901	839	141	95	18	18	3	2
Houghton-le-Spring	166	250	68	104	796	1487	168	192	9	15	2	2	785	1304	158	182	9	14	2	2
New Herrington	211	284	85	135	960	1811	227	283	10	19	2	3	966	1605	209	265	10	18	2	3
Ryhope	59	123	35	64	249	735	105	147	11	10	2	2	249	687	98	125	11	9	2	2
Silksworth	38	180	42	53	200	1244	144	104	8	17	2	1	190	1162	128	101	8	16	2	1
South Hylton	14	73	19	21	49	394	76	45	2	15	3	2	47	321	55	40	2	14	2	2
Washington	297	261	64	91	1337	1368	134	143	13	19	2	2	1327	1308	130	139	13	19	2	2
Whithurn	85	132	32	35	446	960	149	100	9	19	3	2	436	760	120	84	9	15	2	2
	1137	1693	437	617	5248	10105	1327	1305	9	18	3	2	5204	8869	1152	1176	9	16	2	2
Area No. 6.																				
Crook	103	152	53	105	521	840	134	203	11	17	3	4	521	727	121	189	11	16	3	4
Page Bank	11	27	12	26	63	203	68	89	3	9	3	4	57	181	58	76	3	8	3	4
Stanhope	11	42	26	35	48	266	92	115	2	10	3	5	43	234	83	104	2	10	3	4
St. John's Chapel	4	10	4	9	7	48	14	27	1	4	1	2	7	48	14	27	1	4	1	2
Tow Law	50	57	17	31	226	424	75	114	9	18	3	5	212	389	65	108	9	17	3	5
Willington	29	139	35	88	124	839	128	227	3	16	2	4	120	667	95	183	3	13	2	4
Wolsingham	13	45	16	39	40	343	50	192	2	14	2	8	39	321	45	172	2	14	2	8
Wooley Terrace	6	34	15	22	15	128	30	28	1	10	2	2	11	99	26	19	1	10	2	2
	227	506	178	355	1044	3091	591	995	4	12	2	4	1010	2666	507	878	4	12	2	4
Area No. 7.																				
Belmont	21	53	7	15	80	463	25	34	3	20	1	1	80	431	21	32	3	18	1	1
Brandon	181	162	29	39	973	767	80	76	11	14	2	1	973	738	76	75	11	14	2	1
Coxhoe	127	199	37	69	755	1273	102	142	10	24	2	3	754	1174	94	131	10	24	2	3
Durham	150	262	83	137	636	1781	302	349	13	18	3	4	621	1545	275	323	13	17	3	4
Esh Winning	148	167	45	109	739	809	144	208	14	16	3	4	739	684	122	187	14	16	3	4
Gilesgate	23	62	15	21	83	313	58	55	4	13	2	2	83	290	52	55	4	12	2	2
Sherburn Hill	36	88	29	44	167	530	119	94	7	20	4	3	167	509	114	89	7	20	4	3
	686	993	245	434	3433	5936	830	958	9	18	2	3	3417	5371	754	892	9	17	2	3
Area No. 8.																				
Blackhall	8	157	42	65	25	963	119	135	1	20	3	3	25	793	95	121	1	17	2	3
Easington	101	210	38	66	390	1250	129	133	8	14	2	2	372	1064	121	121	8	13	2	2
Horden	60	278	62	94	262	1698	154	154	11	17	2	2	262	1382	126	142	11	14	1	1
Murton	131	203	41	77	744	1254	113	127	15	25	2	3	744	1164	103	120	15	24	2	3
Seaham Harbour	164	330	103	76	862	1748	269	150	9	18	3	2	862	1619	246	142	9	17	3	2
Shotton	125	150	32	36	456	889	68	48	9	17	1	1	456	869	64	47	9	17	1	1
South Hetton	42	59	9	16	217	305	22	23	9	12	1	1	207	291	19	22	8	11	1	1
Thornley	57	117	19	38	232	811	96	100	9	17	2	2	231	768	95	96	9	16	2	2
Wheatley Hill	56	93	17	32	266	594	46	79	11	25	2	3	266	509	42	68	11	21	2	3
Wingate	16	113	25	45	47	534	50	58	2	12	2	2	47	531	50	57	2	12	2	2
	760	1710	388	545	3501	10046	1066	1007	8	18	2	2	3472	8990	961	936	8	16	2	2
Area No. 9.																				
Barnard Castle	18	122	42	79	76	692	127	225	3	27	5	9	71	375	77	136	3	15	3	6
Butterknowle	5	32	11	14	16	125	23	26	1	10	2	2	16	125	22	25	1	10	2	2
Cockfield	36	47	11	23	163	348	38	95	7	15	2	4	159	328	34	88	7	14	2	4
Middleton-in-Teesdale	5	37	18	62	16	277	62	180	1	12	3	8	14	250	59	163	1	11	3	7
Staindrop	17	48	30	62	80	274	154	248	3	12	6	11	75	244	119	209	3	11	5	10
	81	286	112	240	351	1716	404	774	3	15	4	7	335	1322	311	621	3	12	3	6
Area No. 10.																				
Bishop Auckland	171	174	55	115	860	1189	211	273	17	12	2	3	842	1024	187	245	17	12	2	3
Coundon	78	113	19	29	373	626	50	62	16	26	2	3	373	617	50	61	16	26	2	3
Eldon	58	97	20	43	276	697	54	132	6	13	1	3	267	635	49	121	6	13	1	3
Shildon	107	161	32	85	494	938	107	235	10	18	2	5	467	713	80	188	10	18	2	5
Spennymoor	138	263	68	113	762	1630	203	259	9	18	2	3	762	1476	188	238	9	17	2	3
West Auckland	54	107	31	45	256	599	85	116	5	12	2	2	256	454	66	98	5	12	2	2
Witton Park	79	96	18	43	354	483	70	93	7	10	2	2	354	421	65	87	7	9	1	2
	685	1011	243	473	3375	6162	780	1170	10	16	2	3	3321	5340	685	1038	10	15	2	3
Area No. 11.																				
Billingham	220	266	76	130	1163	1564	297	399	12	13	2	3	1142	973	146	252	12	9	1	3
Chilton	54	74	23	35	248	436	62	80	9	17	2	3	248	432	60	79	9	17	2	3
Ferryhill	154	220	52	98	873	1393	166	236	9	15	2	3	872	1173	149	202	9	15	2	3
Fishburn	48	75	18	51	246	430	42	91	10	17	2	4	241	425	40	90	10	17	2	4
Hartlepool																				
Frederick Street	81	183	43	68	140	1657	200	184	6	17	2	2	140	424	68	78	6	10	2	2
West View	14	177	30	49	22	1185	108	109	3	23	2	2	22	352	50	75	3	8	1	2
Haverton Hill	70	151	44	104	322	903	102	289	13	12	1	4	316	572	79	210	12	8	1	3
Middleton St. George	—	73	27	24	—	525	132	84	—	22	6	4	—	248	53	33	—	11	2	2
Newton Aycliffe	31	205	38	32	121	1141	82	51	5	32	2	2	121	708	59	48	5	21	2	2
Sedgefield	78	113	23	56	418	636	77	159	18	21	3	6	418	490	52	130	18	16	2	5
Trimdon	87	139	40	65	360	697	102	107	9	14	2	2	359	582	72	84	9	13	2	2
	837	1676	414	712	3913	10567	1370	1789	9	18	2	3	3879	6379	828	1281	9	13	2	3
Area No. 12.																				
Stockton																				
R.M.H. Bowesfield Lane	45	—	—	—	130	—	—	—	6	—	—	—	119	—	—	—	5	—	—	—
Browns Bridge	—	233	51	89	—	2664	269	372	—	54	5	8	—	381	47	56	—	8	1	1
Eastbourne Hall	—	187	34	66	—	1322	75	190	—	28	2	4	—	276	14	24	—	12	1	1
Norton Green	—	377	78	135	—	3702	416	496	—	36	4	5	—	342	39	32	—	8	1	1
Norton Road	150	235	52	63	465	1677	135	174	9	33	3	4	344	470	42	47	7	9	1	1
St. Annes Terr., Portrack	—	126	30	42	—	1182	132	156	—	24	3	3	—	357	37	33	—	7	1	1
Woodlands, Yarm Lane	—	480	110	151	—	4713	632	537	—	32	4	4	—	376	63	41	—	8	1	1
	195	1638	355	546	595	15260	1659	1925	8	35	4	5	463	2202	242	233	6	9	1	1
TOTALS	7420	13841	3442	5974	34147	89139	11104	14278	8	18	2	3	33743	62996	8049	10819	8	15	2	3

Nature of Confinement.

(*a*)	Normal		4,407
(*b*)	Abnormal		
	Instrumental	157	
	Induction	60	
	Caesarian	61	
	Malpresentation	74	
	Other abnormalities	58	
	A. P. haemorrhage	30	
	P. P. haemorrhage	39	
	Prolonged labour		
	Disproportion...	12	
	Inertia	4	
	Died undelivered	—	
			495
	Left district	176	
	Not yet delivered	1,950	
			2,126
			7,028

Results.

Full time live births	4,563	
Full time still births	62	
Premature live births	229	
Premature still births	58	
Abortions	58	
Died undelivered	—	
		4,970
Left district	176	
Not yet delivered	1,950	
		2,126
		*7,096

* includes 68 twins.

Place of confinement.

(*a*)	In hospitals		2,448
(*b*)	At home		
	Midwife	1,976	
	Doctor & Midwife	392	
	B.B.A.	61	
	Doctor	24	
	Born in ambulance	1	
			2,454
	Left district	176	
	Not yet delivered	1,950	
			2,126
			7,028

Abnormal conditions found at ante-natal examinations.—

Anaemia	691	Albuminuria plus raised blood pressure ...	90
Dyspepsia	168	Albuminuria	172
Dental caries	1,491	Venereal disease ...	10
Cardiac (*a*) Functional	232	Varicose veins	1,203
(*b*) Organic ...	85	Haemorrhoids	399
Placenta praevia ...	5	Constipation	1,236
Respiratory disease ...	97	Toxic ante-partum haemorrhage	32
Tuberculosis	55	Some degree of pelvic contraction (*a*) Minor	97
Raised blood pressure ...	413	(*b*) Major	8
Nephritis...	5	Other conditions ...	714
Non-venereal discharges	885		
Persistent vomiting ...	364		
Malpresentation			
(*a*) Rectified	205		
(*b*) Persistent	63		

Post-Natal Clinics.—Table 5 shows the numbers on the books and the attendances made. In addition to 884 mothers who attended the special sessions, 148 were examined post-natally at ante-natal clinics.

Birth Control Clinics.—Advice was given at 21 centres and Table 6 shows numbers and attendances during the year. The numbers attending decreased by 155 to 1,334 and the attendances by 243 to 2,427.

Artificial Sunlight Clinics.—Treatment was available at 32 centres. Attendances decreased by 1,436 to 50,226 and numbers attending by 95 to 4,016. Details are shown in Table 7.

E. F. Peile Home, Shotley Bridge.—This convalescent home for mothers and babies is administered by the County Council. During the year 98 mothers and babies and 183 children were admitted. The average duration of stay of these cases was mothers and babies 24 days and children 31 days.

* Dental treatment was provided at the Home as follows.—

No. of sessions	9
Attendances made by mothers	24
Attendances made by children	66
Scalings for mothers	6
Examinations for mothers	24
Examinations for children	66

* The services of a dentist were available only until 31.5.54.

Nurseries.—Table 8 shows the accommodation available in each nursery together with the average daily attendances. Increased fees have resulted in decreased usage. The number of places at Haverton Hill was reduced from 40 to 20 on 1.4.54.

	No. on Register	Attendances
Area No. 1.		
Blaydon & Winlaton ...	34	53
Chopwell	13	16
†Dunston	—	—
Ryton	26	40
	73	109
Area No. 2.		
Felling	22	23
Hebburn	18	36
Jarrow—Walter Street ...	22	47
	62	106
Area No. 3.		
Consett	11	14
West Stanley & South Moor	11	14
	22	28
Area No. 4.		
Birtley	10	16
Chester-le-Street	58	112
Sacriston	11	12
	79	140
Area No. 5.		
Hetton	23	25
Houghton-le-Spring ...	36	46
*Silksworth	3	4
Washington	68	106
	130	181

	No. on Register	Attendances
Area No. 6.		
†Willington	—	—
Area No. 7.		
Brandon	32	43
Coxhoe	47	56
Durham	75	120
	154	219
Area No. 8.		
Easington	12	14
Murton	43	49
Seaham Harbour	71	92
	126	155
Area No. 10.		
Bishop Auckland	126	151
Spennymoor	54	60
	180	211
Area No. 11.		
Billingham	58	73
TOTALS	884	1222

*Opened November, † Closed January.

TABLE 6.

BIRTH CONTROL CLINICS.—No. on Books and Attendances, 1954.

	No. on Register	Attendances
Area No. 1.		
Blaydon & Winlaton ...	153	273
Chopwell	14	18
*Dunston	—	—
	167	291
Area No. 2.		
Felling	38	48
Jarrow (Walter Street) ...	89	181
	127	229
Area No. 3.		
Consett	156	388
West Stanley & South Moor	72	141
	228	529
Area No. 4.		
Birtley	41	66
Chester-le-Street	84	146
Sacriston	22	46
	147	258
Area No. 5.		
Hetton	19	29
Houghton-le-Spring ...	45	67
Washington	37	61
	101	157
Area No. 7.		
Coxhoe	29	56
Durham	115	212
	144	268
Area No. 8. ...		
Easington	27	32
Murton	31	43
Seaham Harbour	59	78
	117	153
Area No. 10.		
Bishop Auckland	193	379
Spennymoor	29	53
	222	432
Area No. 11.		
Billingham	34	44
†Hartlepool	47	66
	81	110
TOTALS	1334	2427

Artificial Sunlight Clinics.—1954.

Centre	No. on Books from 1.1.54	Attendances	Average Attendance per Session	No. of Sessions held
Area No. 1.				
Blaydon	311	4187	43	97
Blaydon (Kromayer Lamp)	10	155	2	97
Chopwell	59	570	13	43
Dunston	135	1232	13	97
	515	6144	24	334
Area No. 2.				
Felling	147	1619	17	97
Hebburn	188	2291	23	99
Jarrow	229	1670	17	97
	564	5580	19	293
Area No. 3.				
Annfield Plain	81	1058	15	70
Consett	109	1281	14	92
West Stanley	109	1478	19	76
	299	3817	16	238
Area No. 4.				
Birtley	147	1961	20	99
Chester-le-Street ...	176	2483	26	97
	323	4444	23	196
Area No. 5.				
Boldon	47	624	9	72
Hetton	142	1844	21	89
Houghton-le-Spring ...	135	1565	16	97
Silksworth	65	757	10	74
Washington	163	1945	20	97
	552	6735	15	429
Area No. 6.				
Crook	99	1559	16	98
Area No. 7.				
Coxhoe	135	1878	19	99
Durham	203	2525	26	97
	338	4403	23	196
Area No. 8.				
Horden	169	2072	21	97
Murton	125	1513	16	93
Seaham Harbour ...	137	1805	18	98
Shotton	79	1301	14	95
Wheatley Hill	56	754	8	97
Wingate	57	930	10	98
	623	8375	15	578
Area No. 10.				
Bishop Auckland ...	111	1373	14	99
Shildon	85	1306	14	97
Spennymoor	111	1146	14	84
	307	3825	14	280
Area No. 11.				
Billingham	216	2807	29	98
Ferryhill	114	1418	15	98
Hartlepool Frederic Street ...	10	79	2	51
	340	4304	15	247
Area No. 12.				
Stockton, Norton Road	56	1040	11	99
Totals	4016	50226	17	2988

TABLE 8.

Day Nurseries.

Nursery	Number of Places	Average Attendances
Haverton Hill	20	10
Hebburn	80	42
Stockton.—		
(*a*) Durham Road	60	31
(*b*) Lorne Terrace	30	20
(*c*) Norton Road	60	33

Cases of Squint.—Treatment was provided for 155 cases compared with 137 in 1953.

County Federation of Voluntary Workers.—Five meetings were held during the year.

Homes or Hostels for Unmarried Mothers and their Babies.—The Hostel at Ramside, Belmont, near Durham, for unmarried mothers and their babies, administered by the Durham Diocesan Moral Welfare Association, was closed on the 13th May. Table 9 gives certain information in connection with this institution.

TABLE 9.

NAME	Admissions	Beds	Maternity Beds	Labour Beds	Cots	Average Length of Stay	
						Ante-Natal	Post-Natal
le Hostel urham ...	5	16	—	—	16	3 months	1 month

DENTAL TREATMENT.

Dental treatment for expectant and nursing mothers and young children was available at the following centres.—

Hebburn—one session every week.
Bishop Auckland—one session every fortnight.
Durham—one session every fortnight.
Houghton-le-Spring—one session every fortnight.
Horden—one session every month.

By the appointment of an additional part-time dental officer in June it became possible to provide dental treatment at Birtley and Blaydon centres (one session at each centre every fortnight). Although the first officer appointed was called to Her Majesty's Forces sooner than anticipated and consequently was compelled to resign after a very short term the vacancy was filled without any prolonged delay.

The services at Hebburn, which became available at the beginning of March, 1953, but suffered a break of four months during 1953, have been continuous throughout the year.

All the services have been undertaken by private practitioners on a sessional basis and, expressed in terms of a full-time dental officer, are equivalent to one-third.

As in previous years emergency treatment for young children in the excepted area of Stockton-on-Tees has been provided by the school dental officers.

The details of the treatment carried out are given in Tables 10 and 11.

WELFARE FOODS.

In accordance with Ministry of Health Circular No. 10/54, the local distribution of welfare foods was undertaken by the County Council from 28th June. The Ministry of Food had distributed previously from 162 centres but at the end of the year with some replanning, this number was reduced to 127. Members of the voluntary committees at many child welfare centres volunteered to be responsible for this work and on 31st December there were 40 centres where both distribution and clerical work were being done on a voluntary basis. At other centres (40) where such an arrangement was not possible the work was undertaken by the travelling girl clerks already employed. Voluntary workers, not attached to child welfare centres, accepted responsibility at 33 centres. Subsequently it was found necessary to appoint six female clerks (General Division) for the maintenance of 14 centres. These clerks also do relief work to cover holidays and sick leave and are employed in the central office when available.

Arrangements were made with the Ministry of Food for 37 distribution centres to be supplied direct while a central store was established in Durham to supply the remaining centres, two ambulances converted into vans, being used for the purpose.

Where necessary extra sessions were arranged at child welfare centres and premises rented by the Ministry of Food were retained.

During the six months the scheme was in operation the average quantity distributed monthly was.—

National dried milk	12,410 tins
Orange juice	7,967 bottles
Cod liver oil	1,925 bottles
Vitamin tablets	457 packets

The establishment of the Department was amended to include.—

1 A.P.T. Grade IV—officer in charge.
1 male clerk (Clerical Division) as deputy.
6 female clerks (General Division) five to be designated "outside officers."
1 part-time clerk (General Division).
1 storekeeper (Miscellaneous Grade II).
2 driver-handymen.

TABLE 10.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—DENTAL CLINICS.

Numbers provided with dental care.

CLINIC	Expectant and Nursing Mothers				Children under Five			
	Examined	Needing treatment	Treated	Made dentally fit	Examined	Needing treatment	Treated	Made dentally fit
Birtley	20	20	16	5	3	3	2	—
Bishop Auckland	17	16	9	4	24	22	17	13
Blaydon	20	20	14	7	6	6	6	1
Durham	18	17	16	14	52	48	48	48
Hebburn	86	85	82	38	24	24	19	9
Horden	3	2	2	1	6	5	5	5
Houghton-le-Spring	7	5	4	3	18	16	15	8
Stockton	—	—	—	—	6	6	6	6
TOTALS	171	165	143	72	139	130	118	90

TABLE 11.

ADMINISTRATIVE COUNTY OF DURHAM, 1954—DENTAL CLINICS.

Forms of dental treatment provided.

CLINIC	Expectant and Nursing Mothers									Children under Five								
	Scalings and Gum Treatment	Fillings	Silver Nitrate Treatment	Crowns or Inlays	Extractions	General Anaesthetics	Dentures Provided		Radiographs	Scalings and Gum Treatment	Fillings	Silver Nitrate Treatment	Crowns or Inlays	Extractions	General Anaesthetics	Dentures Provided		Radiographs
							Full Upper or Lower	Partial Upper or Lower								Full Upper or Lower	Partial Upper or Lower	
Birtley	4	24	—	—	13	—	1	1	—	—	3	—	—	—	—	—	—	—
Bishop Auckland ...	—	—	—	—	12	—	1	—	—	—	—	—	—	44	15	—	—	—
Blaydon	8	17	—	—	13	—	4	1	—	—	5	—	—	—	—	—	—	—
Durham	2	—	1	—	22	—	—	—	—	—	—	54	—	34	1	—	—	—
Hebburn	25	113	1	—	203	—	9	3	—	—	14	10	—	6	—	—	—	—
Horden	2	—	—	—	8	—	—	—	—	1	8	20	—	—	—	—	—	—
Houghton-le-Spring ...	2	—	—	—	2	—	—	—	—	—	2	29	—	3	—	—	—	—
Stockton	—	—	—	—	—	—	—	—	—	—	—	—	—	19	4	—	—	—
TOTALS ...	43	154	2	—	273	—	15	5	—	1	32	113	—	106	20	—	—	—

Note: Facilities for X-ray examinations are available at certain of the hospitals in the County and at the Newcastle upon Tyne Dental Hospital.

DOMICILIARY MIDWIFERY AND HOME NURSING.

Early in the year arrangements were completed for the services, hitherto provided by the Durham County Nursing Association as agents, to become a directly provided service. The transfer took place on the 1st April, and from that date most of the staff of the Association, nursing and clerical, became direct employees of the County Council. The supervisory staff of the Nursing Association, a superintendent, her deputy and an assistant were also transferred and became Deputy Superintendent and Assistant Superintendents respectively, of the combined Midwifery and Nursing Services of the County Council.

The transfer was accomplished with little difficulty and there was no interruption in the services provided.

DOMICILIARY MIDWIFERY.

The total number of midwives who gave notice of intention to practise in the administrative county during the year was 311 which included whole-time midwives (145), district nurse-midwives (47), midwives employed in hospitals (111) and those engaged in private practice (8). At the end of the year 129 whole-time domiciliary midwives and 42 district nurse-midwives were employed. Although it is not intended to make new appointments to reach the original establishment of 171 whole-time domiciliary midwives, considerable difficulty is being experienced in appointing essential staff in several parts of the county due in some degree to difficulties in obtaining housing accommodation in those areas. Where houses are provided by the local housing authority the necessary staff can be obtained more readily.

The Health Committee has agreed that the establishment for the midwifery staff should be 144 district midwives and 43 district nurse-midwives.

The following table shows the number of domiciliary cases attended by district midwives and nurse-midwives and midwives in private practice during 1954.

TABLE 12.

	Doctor not booked		Doctor booked		Totals	Discharges from hospital before 14th day
	Doctor present at delivery	Doctor not present at delivery	Doctor present at delivery	Doctor not present at delivery		
District Midwives	101	2,453	1,506	2,945	7,005	2,336
District Nurse-Midwives	23	482	298	597	1,400	212
Midwives in Private Practice	1	20	13	35	69	1
TOTAL ...	125	2,955	1,817	3,577	8,474	2,549

The midwives requisitioned medical help on 1,095 occasions, and the following statement gives particulars as to the reasons for so doing.—

1.	Ante-natal examination—general	3
2.	Ante-natal examination—albuminuria	46
3.	Miscarriage	52
4.	Threatened miscarriage	33
5.	Ante-partum haemorrhage	41
6.	Post-partum haemorrhage	38
7.	Placenta praevia	3
8.	Retained or adherent placenta or membranes ...	29
9.	Contracted pelvis, disproportion between child and pelvic outlet	4
10.	Malpresentation	42
11.	Prolonged or delayed labour, uterine inertia ...	155
12.	Mammary inflammation, varicose veins, cardiac weakness, weakness during puerperium, etc.	31
13.	Stillbirth	8
14.	Ruptured perineum	317
15.	Premature birth	34
16.	Rise in temperature	62
17.	Feebleness of child. Illness of child	64
18.	Phimosis, tongue tie, suspicious eruptions on skin of baby, and umbilical conditions	14
19.	Marked congenital malformation	15
20.	Inflammation of child's eyes	41
21.	Condition of mother ill-defined	5
22.	Condition of baby ill-defined	4
23.	Midwife in attendance at another case	2
24.	Death of baby	3
25.	Other conditions	49

In addition to the notifications of sending for medical help, the following notifications were received from midwives.—

Stillbirths	99
Death of mother	5
Death of child	69
Artificial feeding	440
Laying out the dead	45
Liability to be a source of infection	79

With regard to the 62 cases in which medical help was requisitioned on account of rise of temperature, 14 were subsequently notified as puerperal pyrexia, and 4 of these received in-patient hospital treatment.

Table 13.

Premature Births—1954.

(This table includes live births and still-births of 5½lbs. or less at birth. Births in an ambulance or in the street are listed under the place to which the case was immediately transferred.)

1. Number of Premature Live Births Notified (as adjusted by transferred notifications).

(a)	In hospital	800
(b)	At home	433
*(c)	In private nursing homes	4
	Total ...	1237

2. Number of Premature Still-Births Notified (as adjusted by transferred notifications).

(a)	In hospital	176
(b)	At home	39
*(c)	In private nursing homes	2
	Total ...	217

* "Private Nursing Homes" includes nursing homes and maternity hospitals and homes not in the National Health Service and Mother and Baby Homes where women are confined in the Home.

Weight at Birth	Premature Live Births															Premature Still-Births		
	†Born in Hospital			Born at Home and nursed entirely at home			Born at Home and transferred to Hospital on or before 28th day			Born in Nursing Home and nursed entirely there			Born in Nursing Home and transferred to Hospital on or before 28th day			Born in Hospital	Born at Home	Born in Nursing Home
	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days	Total	Died within 24 hrs. of birth	Survived 28 days			
3 lbs. 4 ozs. or less (1,500 gms. or less) ...	127	61	42	20	10	9	14	7	4	—	—	—	—	—	—	78	11	1
Over 3 lbs. 4 ozs. up to and including 4 lbs. 6 ozs. (1,500-2,000 gms.) ...	153	7	135	49	5	42	17	7	8	2	—	2	—	—	—	53	11	1
Over 4 lbs. 6 ozs. up to and including 4 lbs. 15 ozs. (2,000-2,250 gms.) ...	163	3	156	57	4	49	12	2	5	1	—	1	—	—	—	17	6	—
Over 4 lbs. 15 ozs. up to and including 5 lbs. 8 ozs. (2,250-2,500 gms.) ...	357	7	339	250	5	237	14	2	5	1	—	1	—	—	—	28	11	—
Totals	800	78	672	376	24	337	57	18	22	4	—	4	—	—	—	176	39	2

† The group under this heading includes cases born in one hospital and transferred to another.

Of the 41 cases of inflammation of the eyes, 5 were notified as ophthalmia neonatorum, but no cases were admitted to hospital for treatment.

Maternity outfits are available free of charge for all domiciliary confinements and the number issued during the year was 9,312.

At the end of the year 129 wholetime midwives and 40 nurse-midwives had received the necessary training in gas and air analgesia and 169 had been supplied with the necessary apparatus. The number of cases in which gas and air was administered was 3,902.

Integration of services.—The co-operation between the midwives general practitioners and hospitals is good.

PREMATURITY.

Care of Premature Infants.—Equipment for the home nursing of premature infants, including lined "Sorrento" cots, with mattress, blankets, sheets, hot water bottles, etc., gamgee outfits, "Belcroy" feeders is kept centrally and is available at short notice to any midwife who requires it. The midwife attends the premature baby very frequently for as long as is necessary.

There are no special hospital units for premature infants but if institutional treatment is considered desirable the general practitioner arranges admission to a paediatric unit. A "moses" basket is provided for transit. Table 13 gives details of premature births during 1954.

MATERNAL MORTALITY.

Table 14 gives the maternal mortality rate in the administrative county during the past ten years.—

TABLE 14.

ADMINISTRATIVE COUNTY OF DURHAM.—Maternal Mortality—1945-1954.

Year	Births Registered (Live and Still)	Deaths from Puerperal Sepsis	Rate Per 1,000 births Registered	Deaths from other accidents and diseases of pregnancy and parturition.	Rate per 1,000 births Registered	Total Maternal Mortality Rate per 1,000 births registered
1945	16,202	8	0.49	37	2.28	2.78
1946	19,047	9	0.47	41	2.15	2.62
1947	19,864	3	0.16	40	2.01	2.16
1948	18,254	3	0.16	21	1.15	1.31
1949	17,307	4	0.23	17	0.98	1.21
1950	16,565	4	0.24	15	0.91	1.15
1951	16,216	4	0.25	18	1.11	1.36
1952	15,984	3	0.19	14	0.88	1.06
1953	16,457	—	—	15	0.91	0.91
1954	16,138	1	0.06	14	0.81	0.87

For the purpose of the Ministry of Health inquiry 14 maternal deaths were investigated during the year.

The following is an analysis of some features of these.—

Ages—

20-29	10
30-39	4

Parity—

1	2	3	4	5
7	2	3	1	1

Ante-Natal Care.

None	3
General Practitioner and Midwife	6
Hospital and General Practitioner	5
Attended L.H.A. Clinic	3

Health during ante-natal period.

Good	7
Moderate...	—
Pre-existing disease	7

Causes of Death.

Cardiac disease	2
Nephritis...	2
Sepsis	2
Toxaemia	3
Haemorrhage and Shock	2
Cerebral Aneurism	1
Bronchiectasis	1
Acute inversion of uterus	1

Results.

Full-time live births	7
Premature live births	1
Premature still-births	2
Full time still-births	1
Abortion	2
Undelivered	1

HOME NURSING.

From the 1st April the provision of the home nursing service became the direct responsibility of the County Council. At the end of the year 104 district nurses and 43 district nurse-midwives were employed, the establishment, as fixed by the Health Committee, being 111 and 43 respectively. Similar difficulties are experienced in the appointment of new staff as in the case of midwives and the provision of relief staff to cover holidays and sickness presents considerable difficulty.

The following table gives details of the staff and work done during 1953 and 1954.

ADMINISTRATIVE COUNTY OF DURHAM—HOME NURSING—1953-1954.

TABLE NO. 15.

Year	Staff		General Medical		General Surgical		Infectious Diseases		Tuberculosis		Maternal Complications		Others		Total	
	Whole-time	Part-time	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits
1953	105	63	10,870	259,951	9,274	149,274	121	2,314	427	10,228	212	2,313	16	10,036	20,920	434,116
1954	104	43	15,246	261,027	9,526	122,534	132	726	618	13,926	139	1,188	2,326	11,489	27,987	410,890

PUERPERAL PYREXIA.

During the year there were 136 confirmed cases of puerperal pyrexia compared with 112 cases in 1953. One death was registered from puerperal sepsis which is one more than in the previous year.

According to information supplied by district medical officers of health 42 cases received in-patient treatment.

OPHTHALMIA NEONATORUM.

TABLE 16.

Notified	Cases. Treated At Home	Cases. Treated Hospital In-p'tient	Cases. Treated Hospital Out-p'tient	Vision unimpaired	Vision impaired	Total Blindness.	Removed No Report	Deaths	Under treatment at end of year
13	9	2	2	13	—	—	—	—	—

The health visitors make careful enquiries into all cases of inflammation of the eyes of newly-born children, and during the year, in addition to the 13 cases notified as ophthalmia neonatorum, they reported 330 such cases to which they paid 861 home visits.

The following details have been abstracted regarding these cases.—

Treatment.

No. of cases treated by own doctor	218
No. of cases treated by own doctor and district nurse	—
No special treatment	112

Hospital Treatment.

In-patients	2
Out-patients	4

Results.

Vision unimpaired	329
Under treatment at the end of the year ...	1

The cases receiving treatment at the end of 1953 cleared up satisfactorily.

HEALTH VISITING.

In addition to the routine care of expectant and nursing mothers and young children, the health visitor spends a good deal of time dealing with problem families—trying to educate the mother and encouraging cooperation between parents so that families are kept together. The work in connection with the care of the aged continues to increase and much time is spent trying to help old people.

Notification of births.—During the year 16,175 live births and 371 stillbirths were notified the number registered being 15,732 and 406 respectively. Of the notified births, 8,080 were reported by doctors and midwives and 8,466 by maternity homes and hospitals. The health visitors paid first visits to 15,703 infants at home.

Health Visitors' Training School.—Eleven students in training were successful in gaining the health visitor's certificate. The student who failed at the previous examination also succeeded in passing.

Summary of Work done by Health Visitors.—The work of the health visitors during the year is summarised in Table 17.

TABLE 17.

DOMICILIARY VISITS.

Maternity and Child Welfare.—	
Ante-Natal First visits	4,096
Revisits	1,807
Births First visits	15,703
Revisits to children under 1 year...	39,413
,, ,, ,, 1—2 years	34,044
,, ,, ,, 2—3 ,, ...	32,275
,, ,, ,, 3—4 ,, ...	30,979
,, ,, ,, 4—5 ,, ...	36,607
,, ,, ,, 5—6 ,, ...	264
Other visits	2,211
Total	197,399
Tuberculosis.—	
First visits	1,252
Revisits	17,916
Other visits	1,189
Total	20,357
School Work.—	
School Children (Home visits)	19,577
do. (School visits)	1,687
Total	21,264

TABLE 18.

ADMINISTRATIVE COUNTY OF DURHAM.—Number of Persons Vaccinated or Re-vaccinated for which records were received during the year 1954.

District.	Vaccinated Age at date of Vaccination.						Re-Vaccinated Age at date of Re-vaccination.					
	Under 1	1	2 to 4	5 to 14	15 or over	Total	Under 1	1	2 to 4	5 to 14	15 or over	Total
Area No. 1.												
Blaydon U.D.	78	2	1	4	16	101	—	—	2	2	15	19
Ryton U.D.	69	1	3	1	9	83	—	—	—	—	15	15
Whickham U.D.	148	1	4	—	7	160	—	—	—	2	18	20
Area No. 2.												
Jarrow M.B.	148	4	5	5	7	169	—	—	—	2	26	28
Felling U.D.	116	4	2	2	9	133	—	—	—	1	13	14
Hebburn U.D.	141	4	2	4	8	159	—	—	2	5	24	31
Area No. 3.												
Consett U.D.	115	3	4	2	28	152	—	—	1	2	50	53
Stanley U.D.	110	5	3	3	29	150	—	—	2	—	20	22
Lanchester R.D.	59	3	1	5	5	73	—	—	—	—	12	12
Area No. 4.												
Chester-le-Street U.D. ...	35	2	1	3	12	53	—	—	2	—	8	10
Chester-le-Street R.D. ...	94	3	1	7	16	121	—	—	3	2	21	26
Area No. 5.												
Boldon U.D.	61	2	2	3	6	74	—	—	—	6	17	23
Hetton U.D.	17	—	2	4	8	31	—	—	—	4	3	7
Houghton-le-Spring U.D.	61	3	1	2	9	76	—	—	—	—	8	8
Washington U.D.	91	1	3	4	4	103	—	1	—	2	14	17
Sunderland R.D.	109	3	—	1	5	118	—	—	2	2	10	14
Area No. 6.												
Crook & Willington U.D....	70	3	2	9	10	94	—	—	—	—	16	16
Tow Law U.D.	14	—	—	—	—	14	—	—	—	2	1	3
Weardale R.D.	43	1	—	1	3	48	—	—	—	1	11	12
Area No. 7.												
Durham M.B. ...	90	3	4	1	13	111	—	1	1	1	11	14
Brandon & Byshottles U.D.	65	1	1	—	3	70	—	—	—	—	2	2
Durham R.D.	120	1	2	1	12	136	—	—	1	—	8	9
Area No. 8.												
Seaham U.D.	64	—	—	1	12	77	—	—	—	—	20	20
Easington R.D.	131	8	2	3	34	178	—	1	—	1	24	26
Area No. 9.												
Barnard Castle U.D. ...	31	—	—	—	3	34	—	1	2	5	5	13
Barnard Castle R.D. ...	86	1	3	5	8	103	—	—	—	3	14	17
Area No. 10.												
Bishop Auckland U.D. ...	138	2	4	—	13	157	—	—	—	1	11	12
Shildon U.D.	64	—	—	—	3	67	—	—	—	—	1	1
Spennymoor U.D. ...	72	2	1	4	12	91	—	—	1	2	10	13
Area No. 11.												
Hartlepool M.B.	113	4	2	1	6	126	—	—	—	1	24	25
Billingham U.D.	121	2	3	6	14	146	—	1	—	1	19	21
Darlington R.D.	125	6	9	6	7	153	—	—	1	2	20	23
Sedgefield R.D.	65	1	2	3	5	76	—	—	—	—	12	12
Stockton R.D.	31	—	—	3	3	37	—	—	1	—	17	18
Area No. 12.												
Stockton M.B.	367	8	9	5	35	424	—	—	1	11	79	91
ADMINISTRATIVE COUNTY	3262	84	79	99	374	3898	—	5	22	61	579	667

TABLE 19.

ADMINISTRATIVE COUNTY OF DURHAM.—Diphtheria Immunisation, 1954.

District.	Live Births Registered.		Number of children who had completed a full course of Immunisation at any time up to 31st December, 1954.		Records received during the year of full courses of primary immunisation.			Records received during the year of reinforcing injections
	1953	1954	Under 5	5-15	Under 5	5-15	Total	0-15
Area No. 1.								
Blaydon U.D.	512	500	1091	3457	261	9	270	162
Ryton U.D.	213	202	586	1560	189	5	194	124
Whickham U.D.	366	331	898	2572	276	13	289	165
Area No. 2.								
Jarrow M.B.	609	640	1316	3978	389	10	399	195
Felling U.D.	449	418	908	2052	240	12	252	177
Hebburn U.D.	446	466	1008	3132	287	4	291	81
Area No. 3.								
Consett U.D.	650	587	1508	5424	431	28	459	260
Stanley U.D.	791	728	1797	6498	514	16	530	324
Lanchester R.D.	248	220	547	2080	154	307	461	870
Area No. 4.								
Chester-le-Street U.D. ...	292	310	632	1928	136	—	136	84
Chester-le-Street R.D. ...	697	658	1485	4601	448	12	460	200
Area No. 5.								
Boldon U.D.	343	331	650	2022	203	9	212	78
Hetton U.D. ...	289	310	482	1689	144	8	152	62
Houghton-le-Spring U.D.	590	544	936	2899	258	9	267	67
Washington U.D.	324	312	655	2000	143	9	152	90
Sunderland R.D.	487	512	916	2388	232	12	244	78
Area No. 6.								
Crook & Willington U.D....	393	380	694	2283	189	11	200	119
Tow Law U.D.	70	48	131	250	34	1	35	13
Weardale R.D.	101	109	296	847	69	2	71	44
Area No. 7.								
Durham M.B.	298	287	638	1545	142	6	148	70
Brandon & Byshottles U.D.	363	337	741	2304	205	9	214	96
Durham R.D.	608	602	1030	3807	308	31	339	147
Area No. 8.								
Seaham U.D.	507	483	887	3627	288	566	854	1477
Easington R.D.	1484	1481	2501	9109	671	47	718	448
Area No. 9.								
Barnard Castle U.D. ...	85	74	138	466	43	11	54	36
Barnard Castle R.D. ...	293	280	633	1793	207	41	248	124
Area No. 10.								
Bishop Auckland U.D. ...	630	655	986	3843	285	19	304	81
Shildon U.D.	229	237	373	1027	94	1	95	27
Spennymoor U.D. ...	355	348	659	2321	197	645	842	837
Area No. 11.								
Hartlepool M.B.	352	321	722	2097	204	56	260	128
Billingham U.D.	522	507	1676	3970	414	17	431	891
Darlington R.D.	333	386	526	1192	228	14	242	50
Sedgefield R.D.	552	312	985	3667	278	253	531	84
Stockton R.D.	152	143	253	305	72	2	74	15
Area No. 12.								
Stockton M.B.	1431	1473	2408	8063	607	196	803	656
ADMINISTRATIVE COUNTY	16,064	15,732	31,692	100,796	8,840	2,391	11,231	8,360

The number of children in the County immunised up to 31st December, expressed as a proportion of the mid-1954 child population was: 0-5 years, 41% and 5-15 years 70%.

General Health.—

Visits	753

Mental Deficiency.—

Visits paid to mentally defective persons	7,006

Aged People.—

Visits	81

Ineffective visits	28,966
Total number of visits	275,826
Number of effective visits	246,860
Time (as days) spent on visits (routine, other and ineffective)	11,284
Average daily number of effective visits per health visitor	22

Clinic, etc., Work.—

Time (as days) spent.—

(*a*)	at M. & C.W. centres	8,326
(*b*)	at chest clinics and contact sessions	1,441
(*c*)	at school head to head inspections	436
(*d*)	at school clinics	131
(*e*)	conducting children to special schools ...	179
(*f*)	assisting with school medical inspections ...	567
(*g*)	at Nursery Schools	70

Cases reported to district Medical Officers of Health.—

Overcrowding	126
Sanitary defects	107

VACCINATION AND IMMUNISATION.

The general arrangements to secure that as many children as possible are immunised and vaccinated were continued during the year.

A pamphlet regarding vaccination is sent to parents when their children attain the age of three months. To draw attention to the need for immunisation, leaflets are distributed by post at 8 months and 12 months, and to encourage re-inforcing doses at the age of 4 years 9 months. The health visitors are provided with details of children immunised and vaccinated in order that they can visit children who have not been so protected.

During the year special immunisation campaigns were organised in Seaham Urban, Spennymoor Urban and Lanchester Rural districts as a result of which large numbers of school children received protection.

The total number of cases vaccinated and re-vaccinated was 4,565 which is a decrease of 670 compared with 1953. The number of cases who received primary immunisation was 11,231 which is a decrease of 52 compared with the previous year, while the number of cases who received re-inforcing injections decreased from 9,785 in 1953 to 8,360 in 1954.

Tables 18 and 19 give details of the numbers vaccinated and immunised in the county.

AMBULANCE SERVICE.

The review of the organisation of the ambulance service which had been in progress for some time was completed, and proposed modifications in the organisation were approved by the County Council in May. These are briefly described in the following paragraphs.

1. *Control System.*—Under existing arrangements there are seven controls situated at Bishop Auckland, Consett, Durham, Hebburn, New Herrington, Stockton and Wheatley Hill (in addition to two agency controls at Darlington and West Hartlepool which are not affected by the reorganisation). Each control is responsible for receiving ambulance calls from its prescribed area and for the control of the depots within that area. These controls are continuously manned.

It is proposed that a central control be established at the County Headquarters in Durham. This central control will have supervisory staff working in shifts to cover the 24 hours. The existing controls will be replaced by the central control and "message receiving centres" viz., the Bishop Auckland, Hebburn, Stanley, Stockton and Wheatley Hill depots which will cover the areas at present served by the corresponding controls. At the message receiving centres telephone operators will handle calls on a day shift during the week: at night and on Sundays calls will be accepted by the driving staff. Each message receiving centre will be connected to the central control by a direct telephone line.

2. *Depots.*—The three outstations, the New Herrington and Hartlepool depots, the Durham depot and the other depots classed as message receiving centres will provide a 24 hours service. The remaining depots (seven in number) will work on day shift only, the shifts being spread over a period of 12 hours to suit local conditions. Calls which these depots cannot meet during the day and calls occurring when they are closed will be dealt with by the message receiving centres.

The Lanchester depot, at present used for long distance journeys, will be closed and the vehicles will be transferred to the Durham depot, being there used to supplement the emergency fleet and for specialist work.

3. *Maintenance.*—The demand on the service under the present arrangements has precluded the establishment of a reserve of vehicles without which a satisfactory system of routine maintenance and repair cannot be maintained. An increase of five vehicles in the establishment has been approved and, with the economies anticipated from reorganisation, it is hoped that maintenance may be put on a more effective basis.

4. *Agencies.*—Two local authorities and one agency at present supplement the direct services provided by the County Council, Darlington County Borough ambulance service serving a part of the Darlington Rural District in the neighbourhood of the Borough, West Hartlepool ambulance service reinforcing the single county ambulance stationed in Hartlepool and the Wheatley Hill Hospital Fund, whose ambulance supplements the fleet at the Wheatley Hill depot as required.

Durham County Ambulance Service.

Development Plan—Depots and Control.

Depot	Total accommodation for vehicles	Proposed distribution of vehicles			Proposed distribution of driving staff				Staff for Central Control and Message Receiving Centres.		
		Emergency Service Ambulances	General Service Ambulances	Total	Head Drivers	Emergency Service Ambulance Drivers	General Service Ambulance Drivers	Total	Supervisors	Telephone operators	Total
*Hebburn	10	2	6	8	1	16	11	28	—	1	1
Washington	6	—	4	4	1	—	7	8	—	—	—
*Stanley	14	3	4	7	1	20	7	28	—	1	1
Blaydon	6	—	5	5	1	—	9	10	—	—	—
Consett	7	—	6	6	1	—	11	12	—	—	—
*Wheatley Hill ...	13	2	8	10	1	16	15	32	—	1	1
New Herrington ...	6	3	2	5	1	20	3	24	—	—	—
Seaham	8	—	4	4	1	—	7	8	—	—	—
†Hartlepool	1	1	—	1	—	5	—	5	—	—	—
*Stockton	10	2	7	9	1	16	13	30	—	1	1
*Bishop Auckland ...	8	3	5	8	1	20	9	30	—	1	1
Crook	6	—	4	4	1	—	7	8	—	—	—
Cleatlam Out-station	1	1	—	1	—	—	2	2	—	—	—
Middleton-in-Teesdale ,,	1	1	—	1	—	—	2	2	—	—	—
St. John's Chapel ,,	2	1	1	2	—	—	2	2	—	—	—
Darlington R.D. ,,	—	1	—	1	—	—	2	2	—	—	—
*Durham	19	3	10	13	1	20	19	40	4	6	10
Chester-le-Street ...	6	—	6	6	1	—	11	12	—	—	—
Sedgefield	8	—	5	5	1	—	9	10	—	—	—
	132	23	77	100	14	133	146	293	4	11	15

* Message Receiving Centres. † Calls for ambulance transport taken by West Hartlepool Ambulance Service.

[illegible]

The work done by the Darlington County Borough has increased considerably since its inception and it is considered that the provision by the County Council of an out-station in the Darlington Rural District would be an economical arrangement although it might still be necessary for occasional emergencies to be handled by the Darlington service.

The use of the West Hartlepool County Borough service is considered an economical method of meeting our commitments in the Hartlepool area and no change is contemplated.

The closer control to be achieved by reorganisation will eliminate the need for the further use of the Wheatley Hill Hospital Fund ambulance.

5. *Petrol Supplies.*—Following a review of the coordinated arrangements for the supply of petrol to all County Council services the installation of pumps at five additional depots has been approved and the work put in hand. This will result in the following depots having their own supplies.—

> Consett, Crook, Durham, Fishburn, Lanchester, Stockton, Washington, Winlaton and Wheatley Hill.

Depots without pumps draw supplies from fire stations or depots of the Highways and Bridges Department, except in the case of Hartlepool depot where supplies from a private garage have proved the only economical arrangement.

6. *Radio.*—The County Council has approved a limited radio telephone installation with which will be linked a service for the Highways and Bridges Committee. Arrangements are in hand for the installation of 34 mobile sets. Static stations will be set up at Tow Law and Warden Law with a reserve station sited at the new ambulance headquarters at Durham.

7. *Training.*—Following a revision of the National Joint Council Scheme of Working Conditions, relating to first aid qualifications, the County Council resolved that in place of the three-yearly refresher course, drivers should be required to pass an examination in first aid every three years.

Further consideration is to be given to the question of drivers undertaking a limited amount of specialist training associated with their duties.

Table 20 shows the allocation of vehicles and personnel proposed under reorganisation.

During the year sustained efforts were made to secure better liaison between the County Council and the Newcastle upon Tyne Corporation with regard to the removal of discharge cases from the Royal Victoria Infirmary and other hospitals in Newcastle. Meetings with the Newcastle upon Tyne Regional Hospital Board, the Governors of the Royal Victoria Infirmary, Newcastle upon Tyne, the Durham Hospital Management Committee and representatives of the general medical practitioners gave promise of closer coordination in the use of the ambulance service in the future.

During the year the Minister of Health issued Circular 13/54 dealing with major accidents, and plans are being drawn up in collaboration with the police, fire and hospitals services to cover these and other major emergencies.

Arising from discussions on reorganisation the Committee gave consideration to the question of the general maintenance and repair of ambulances, and towards the end of the year it was agreed that major repairs should be undertaken by the Central Repair Depot of the Highways and Bridges Committee which had been expanded to make this possible.

New depots came into use at Washington and Stockton on 3rd February and 26th April respectively, while good progress was being made at Winlaton and on the new headquarters building and depot at Durham. New depots are scheduled for Hartlepool, Seaham and Hebburn but work has not yet started on these.

The service has carried 298,612 cases and covered 2,253,087 miles during the year, an increase of 3,822 cases and a decrease of 33,769 miles compared with 1953.

TABLE 21.

Year	No. of Journeys made	No. of Patients carried			Total Mileage covered
		Stretcher cases	Sitting cases	Total	
1953	92,329	46,696	248,094	294,790	2,286,856
1954	93,135	49,578	249,034	298,612	2,253,087
Increase or Decrease	+806	+2,882	+940	+3,822	—33,769

Long distance journeys still continue to be made by the personnel and vehicles at the Lanchester Depot but arrangements are made for patients to travel by rail whenever practicable. The following is a statement of the long distance journeys undertaken.—

TABLE 22.

ADMINISTRATIVE COUNTY OF DURHAM.—DETAILS OF AMBULANCE CONTROLS AND UNIT AREAS, 1954.

Control No.	Address of Control.	Unit Area No.	Districts served.	Telephone Number.
1	Ambulance Station, St. John's Avenue, HEBBURN.	1 5	*East Tyneside :* Jarrow M.B. ; Hebburn U.D. ; Felling U.D. *North Eastern :* Washington U.D. ; Boldon U.D. ; Sunderland R.D. (that part lying north of the River Wear).	HEBBURN 32157.
4	Ambulance Station, Villa Real, CONSETT.	2 3 4	*West Tyneside :* Whickham U.D. ; Blaydon U.D. ; Ryton U.D. *Stanley :* Stanley U.D. *Consett :* Consett U.D. ; Lanchester R.D. (the Civil parishes of Muggleswick and Healeyfield) ; Weardale R.D. (the Civil parishes of Hunstanworth and Edmondbyers). Also the township of Blanchland and the parts of Shotley Bridge in Northumberland.	CONSETT 411.
6	Ambulance Station, Back Raglan Row, NEW HERRINGTON.	6	*Houghton :* Hetton U.D. ; Houghton-le-Spring U.D. ; Sunderland R.D. (that part lying south of the River Wear) ; Durham R.D. (the Civil parish of Rainton).	EAST HERRINGTON 3137.
8	Ambulance Station, Byron Street, WHEATLEY HILL.	7 8	*Seaham :* Seaham U.D. ; Easington R.D. (the Civil parishes of Burdon, Cold Hesledon, Dalton-le-Dale, East Murton, Seaton-with-Slingley, and Warden Law). *Easington :* Easington R.D. (the Civil parishes of Castle Eden, Easington, Haswell, Hawthorn, Hutton Henry, Monk Hesledon, Nesbitt, Sheraton-with-Hulam, Shotton, Thornley and Wingate).	THORNLEY 243.
9	Ambulance Station, York Road, WEST HARTLEPOOL.	9	*Hartlepool :* Hartlepool M.B. ; Stockton R.D. (the Civil parishes of Brierton, Claxton, Dalton Piercy, Elwick, Elwick Hall, Greatham, Hart, Newton Bewley and Seaton).	HARTLEPOOLS 2011.
11	Ambulance Station, Barrington House, Buchanan Street, STOCKTON-ON-TEES. (as from 26th April, 1954 —Grangefield Road).	11	*Stockton :* Stockton M.B. ; Billingham U.D. ; Stockton R.D. (the Civil parishes of Aislaby, Carlton, Egglescliffe, Elton, Grindon, Longnewton, Newsham, Norton, Preston-on-Tees, Redmarshall, and Whitton).	STOCKTON 67410.
12	Town Ambulance Station, DARLINGTON.	12	*Darlington :* Darlington R.D.	DARLINGTON 3333.
14	Ambulance Station, South Church Road, BISHOP AUCKLAND.	13 14 17	*Barnard Castle :* Barnard Castle U.D. ; Barnard Castle R.D. (excluding the Civil parishes of Bolam, Etherley, Evenwood-and-Barony, Hamsterley, and South Bedburn). *Bishop Auckland :* Bishop Auckland U.D. ; Shildon U.D. ; Spennymoor U.D. ; Barnard Castle R.D. (the Civil parishes of Bolam, Etherley, Evenwood-and-Barony, Hamsterley and South Bedburn). *Western :* Crook and Willington U.D. ; Tow Law U.D. ; Weardale R.D. (excluding the Civil parishes of Hunstanworth and Edmondbyers in No. 4. Unit Area).	BISHOP AUCKLAND 810.
16	Ambulance Headquarters, The Vennel, Old Elvet, Durham.	10 15 16	*Sedgefield :* Sedgefield R.D. *Chester-le-Street :* Chester-le-Street U.D. ; Chester-le-Street R.D. *Durham :* Durham M.B. ; Brandon U.D. ; Durham R.D. (excluding the Civil parish of Rainton in No. 6 Unit Area) ; Lanchester R.D. (excluding the Civil parishes of Muggleswick and Healeyfield in No. 4 Unit Area).	DURHAM 587.

Long Distance Journeys—1954.

Bedfordshire	3	Northumberland ...	76
Buckinghamshire ...	1	Nottinghamshire ...	3
Cambridgeshire	7	Oxfordshire	2
Cheshire	3	Scotland	14
Cumberland	117	Shropshire	2
Derbyshire	3	Staffordshire	1
Glamorganshire	1	Sussex	1
Hertfordshire	1	Warwickshire	2
Lancashire	21	Westmorland	6
London	8	Worcestershire	1
Middlesex	2	Yorkshire	81
Northamptonshire ...	3		

Totals: Journeys — 359
Mileage — 78,761

Of 269 drivers entered for the National Safe Driving Competition for 1954 organised by the Royal Society for the Prevention of Accidents 221 qualified to receive an award.

Organisation.—At the end of the year there were.—

Ambulance controls ...	9	Headquarters staff ...	15
Ambulance depots ...	19	Liaison Officers	2
Ambulances	100	Clerk-telephonists ...	30
Light sitting case vehicles	3	Driver-attendants ...	281
Breakdown vehicle ...	1	Mechanics	6

(*a*) *Controls.*—For operational purposes the drivers and vehicles are grouped in 17 unit areas, and these areas are in turn further grouped into 9 control areas (for details of groupings see Table 22). Seven of the controls are under the direct jurisdiction of the County Council, while two—Darlington and West Hartlepool—act as agent-controls in the scheme. Each control is manned continuously. Each unit area has an emergency-duty ambulance available day and night while the remainder of the vehicles provide a general service.

(*b*) *Depots.*—The number of depots in the scheme is 19, comprising 15 main depots, one small coastal depot, and three rural outstations covering Weardale and Teesdale.

(*c*) *Vehicles.*—At the end of 1953 there were 91 ambulances and one car. The corresponding numbers at the end of 1954 were 100 ambulances and 3 light sitting-case vehicles, the increase in the fleet being accounted for as follows.—

	Ambulances Standard	*Light S.C. Vehicle*	*Car*
Number of vehicles at beginning of year...	91	—	1
Unserviceable and withdrawn during the year	3	—	1
New vehicles	12	3	—
Number of vehicles at end of year ...	100	3	—

During the year 161 vehicles required major repairs and 495 minor repairs.

(*d*) *Staff :* (i) *Headquarters.*—There were no changes in the headquarter's staff during the year.

(ii) *Controls.*—The seven county controls are manned continuously by male clerk-telephonists working on a shift system.

(iii) *Driver-attendants.*—The total number of drivers employed in the Service at the end of the year was 281, an increase of nine on the number for 1953. Additional driving staff is being recruited up to the maximum authorised establishment of 286.

(iv) *Mechanics.*—Six mechanics are employed and carry out their duties at the four repair units at Crook, Durham, Stanley and Wheatley Hill.

Details of the work done in unit areas is shown in Table 23 and Table 24 records work done by the Service since inception.

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.

The proposals of the County Council under Section 28 of the National Health Service Act, 1946, approved originally by the Minister of Health on the 22nd April, 1948, have been amended on seven occasions since and the following is a copy of the amendment as approved by the Minister on the 24th November, 1954.

> " The Local Health Authority also intends to make arrangements to offer B.C.G. vaccination, subject to the necessary preliminary tests and to obtaining parental consent, to school children between their thirteenth and fourteenth birthdays. The vaccination will be carried out on the responsibility of the Medical Officer of Health in consultation with the School Medical Officer, by Medical Officers expressly designated for this purpose by the Authority."

TUBERCULOSIS.

(*a*) *Preventive Care and After-Care.*—Close liaison exists between the health department and the twelve chest clinics serving the county area. The county health visitors do duty at the clinics and there is a free and regular interchange of information and reports between the clinics and the health department. A notification register is maintained in the county health department and for each case there is a health visiting record card. District medical officers are also kept informed of the movements of patients in their areas.

Dr. C. A. O'Neill reports from Earls House Chest Clinic, near Durham.—

" All notified cases are given the opportunity of being clinically examined and x-rayed. Sputum and B.S.R. examinations are arranged and skin tests are carried out for children under 16 years of age. Tuberculous mothers of newborn babies are offered, and usually avail themselves of, the protection of B.C.G. vaccination for their children. All negative Mantoux contacts are advised to have B.C.G. vaccination and when suitable segregation of the patient or contact is possible, they usually agree to this. In addition all nurses in the hospitals in the group are examined, x-rayed and Mantoux tested as a routine. Here again, the Mantoux negative group receive B.C.G. vaccination

TABLE 23.

ADMINISTRATIVE COUNTY OF DURHAM.—SUMMARY OF AMBULANCE WORK done during the period 1st JANUARY to 31st DECEMBER, 1954.

Unit Area.	Authorised establishment of men and vehicles.			Actual Numbers employed on 31st December, 1954.			No. of Journeys.	General.														Emergency.																Grand total of cases		Petrol used (galls.)	Mileage
	Ambulances.	Cars.	Driver-Attendants.	Ambulances.	Light S.C. Vehicles	Driver-Attendants.		Admissions to Hospital.		Infectious Diseases Cases.		Tuberculosis Cases.		Hospital Transfers.		Hospital Out-Patient Treatment Cases		Discharges from Hospital.		Totals.		General Hospitals.		Infectious Diseases Cases.		Maternity Cases.		Accidents at Home.		Road Accidents.		Accidents at Sports Meetings.		Industrial Accidents.		Hospital Transfers.		Totals.		Stretcher Cases.	Sitting Cases.		
								S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.	S.	C.				
1. East Tyneside ...	9	2	28	8	—	25	7018	586	364	26	11	95	967	219	341	1686	17879	183	1417	2795	20979	780	159	70	25	223	486	64	29	115	55	13	12	137	214	269	186	1671	1166	4466	22145	9285½	132078
2. West Tyneside ...	5	1	16	5	—	14	4919	324	350	27	8	1	55	76	171	1395	13204	65	848	1888	14636	727	116	14	2	100	290	12	5	30	21	3	5	32	33	31	14	949	486	2837	15122	8971	125761
3. Stanley	6	2	16	6	—	16	5059	339	281	1	1	1	2	80	128	1283	13544	159	1869	1863	15825	856	213	1	—	70	219	13	—	22	7	2	1	3	2	16	8	983	450	2846	16275	9664	132027
4. Consett	6	2	18	6	—	18	3703	529	271	1	—	1	—	195	122	1150	10278	320	2445	2196	13116	570	73	—	—	103	132	6	5	50	11	5	1	3	—	38	6	775	228	2971	13344	8974	113017
5. North-Eastern ...	5	1	14	5	—	12	2674	295	122	2	11	32	609	30	19	844	7420	92	589	1295	8770	277	78	8	3	32	59	2	2	18	8	9	2	26	28	11	2	386	182	1678	8952	4543	71267
6. Houghton	5	1	16	6	—	16	5417	436	306	4	5	5	8	129	120	1228	14790	342	2456	2144	17685	863	101	7	5	131	285	31	21	70	23	6	6	11	11	54	18	1173	470	3317	18155	9150	134219
7. Seaham	5	1	14	5	—	14	4831	356	184	3	—	68	22	147	84	946	10118	203	1893	1723	12301	361	65	11	2	80	193	49	19	28	4	5	1	4	2	14	6	552	292	2275	12593	6031	96887
8. Easington	9	1	24	9	—	24	6276	504	357	2	7	—	—	119	118	1545	17367	413	3345	2583	21194	753	176	22	7	174	314	328	38	69	54	12	7	11	4	45	16	1414	616	3997	21810	14758	228391
9. Hartlepool	1	—	5	1	—	5	2304	293	68	—	—	—	—	131	119	743	2592	390	1289	1557	4068	81	14	1	—	21	77	8	1	34	15	12	3	37	27	25	5	219	142	1776	4210	1437	26508
9a. West Hartlepool *	—	—	—	—	—	—	102	—	—	—	—	—	—	—	—	—	1	2	—	2	1	26	—	—	—	11	—	4	—	11	—	4	—	37	—	5	—	98	—	100	1	68	910
10. Sedgefield	5	1	16	5	1	15	5202	231	230	28	3	5	4	170	191	836	12192	215	3049	1485	15669	447	51	11	—	42	222	28	20	36	9	4	—	6	1	33	—	607	303	2092	15972	8668	136650
11. Stockton	8	2	26	8	—	26	10736	1965	587	83	211	—	—	348	256	1268	13544	606	3533	4270	18131	217	43	17	14	237	346	120	198	138	92	185	152	119	161	10	6	1043	1012	5313	19143	11065	170598
12. Darlington . . †	—	—	—	—	—	—	1948	74	50	4	4	—	4	11	7	305	1230	15	99	409	1394	—	—	—	—	38	31	—	1	33	9	1	1	17	18	—	—	89	60	498	1454	1666	21665
13. Barnard Castle ...	2	—	4	2	—	4	1003	91	94	—	—	—	33	23	14	159	3864	85	367	358	4372	80	10	—	—	3	—	1	—	10	5	1	—	—	—	—	—	95	15	453	4387	3624	59917
14. Bishop Auckland ...	8	2	22	8	1	22	6306	603	425	42	2	23	71	133	103	1396	11611	523	2883	2720	15095	1058	137	30	5	174	463	13	9	49	28	7	1	12	12	44	14	1387	669	4107	15764	11575	169870
15. Chester-le-Street ...	6	1	16	6	1	16	5248	290	194	149	69	1	3	132	159	1350	15415	128	1700	2050	17540	782	76	128	15	78	224	6	2	43	34	1	1	22	6	30	11	1090	369	3140	17909	8341	109281
16. Durham (Central) ...	9	1	24	9	—	28	14659	466	373	2	1	1	6	413	501	2360	19870	381	3250	3623	24001	1093	234	1	—	97	282	19	10	85	49	13	8	24	15	21	8	1353	606	4976	24607	14789	225018
16a. Durham (West) ...	5	1	11	5	—	10	2249	122	137	2	1	197	272	344	240	364	1791	245	2453	1274	4894	13	2	—	—	1	3	6	3	5	2	1	1	2	—	—	—	28	11	1302	4905	10389½	155983
17. Western	6	1	16	6	—	16	3481	288	311	2	2	44	709	56	81	409	9811	187	1072	986	12086	332	31	2	1	67	145	8	6	19	10	1	1	8	5	11	1	448	200	1434	12286	9491	143040
	100	20	286	100	3	281	93135	7792	4704	378	336	474	2765	2756	2774	19267	196621	4554	34557	35221	241757	9316	1579	323	79	1682	3771	718	369	865	436	285	203	511	539	657	301	14357	7277	49578	249034	152490	2253087

* County ambulance reinforced as necessary by adjoining County Borough Service.

† Darlington County Borough Council provides service as required.

"S" Stretcher cases conveyed by ambulances.

"C" Sitting cases conveyed by ambulances and cars.

TABLE 24.

ADMINISTRATIVE COUNTY OF DURHAM.—Ambulance Service—Statistics, 1948-54.

Year	No. of Journeys	Out-Patients Only			General Service‡			Emergency Service			Totals All Cases			Total Mileage	Ambulances	Men
		Stretcher cases	Sitting cases	Total	Stretcher cases	Sitting cases	Total	Stretcher cases	Sitting cases	Total	Stretcher cases	Sitting cases	Total			
*1948	22,989	3,280	17,846	21,126	15,259	23,762	39,021	1,277	—	1,277	16,536	23,762	40,298	552,486	72	118
1949	61,906	7,395	63,463	70,858	29,609	84,995	114,604	2,321	1,428	3,749	31,930	86,423	118,353	1,501,047	92	248
1950	79,896	10,635	89,624	100,259	34,032	120,982	155,014	2,269	2,008	4,277	36,301	122,990	159,291	1,979,681	86	268
†1951	86,429	13,697	128,320	142,017	34,833	163,807	198,640	5,737	5,635	11,372	40,570	169,442	210,012	2,129,585	99	270
†1952	90,243	19,587	199,937	219,524	35,954	239,672	275,626	11,044	6,778	17,822	46,998	246,450	293,448	2,268,166	93	271
1953	92,329	18,527	197,915	216,442	34,374	240,721	275,095	12,322	7,373	19,695	46,696	248,094	294,790	2,286,856	91	272
1954	93,135	19,267	196,621	215,888	35,221	241,757	276,978	14,357	7,277	21,634	49,578	249,034	298,612	2,253,087	100	281

* Half year only.

† Part of the increase in the figures recording the patients carried is due to the revised method of annual costing laid down by the Ministry of Health in Circular 25/51, which became operative on 1st August, 1951.

‡ Includes figures shown under "OUT-PATIENTS ONLY."

at Dryburn Hospital. Some of the newborn babies are also vaccinated there but the other Mantoux negative patients attend the Chest Clinic at Earls House Hospital."

(*b*) *Contacts.*—Consensus of opinion expressed by the chest physicians is that contact examinations are not as yet on a satisfactory high level. This is attributed in some degree to the shortage of health visitors and the need for further education of the public.

Dr. Walker of Darlington Chest Clinic reports.—

" There is no doubt that a number of contact examinations are not done because of the difficulties of transport and expense which result in appointments being given but not kept. It is relatively easy to persuade a person who has symptoms to come for examination but the difficulty arises in apparently healthy persons when they are asked to come for examination and tuberculin test at their own expense and possibly with the loss of wages for half a day."

Although the numbers of contacts examined in relation to new cases varies throughout the county the proportion in some chest clinic areas appears reasonably satisfactory.

(*c*) *Employment.*—Tribute is paid by several chest physicians to the work of the disablement resettlement officers in finding suitable work and facilities for retraining and rehabilitation. Dr. White of Sunderland Chest Clinic draws attention to the difficulty of finding suitable work for miners outside the coal mining industry.

From Whickham Chest Clinic, Dr. Martischnig reports.—

" Practically every notified case of pulmonary tuberculosis is being registered as a disabled person and before being allowed to resume work, the patient is assessed at the clinic and after discussion with the disablement resettlement officer a course at Felling Rehabilitation Centre is arranged after which suitable employment is found. All these patients are regularly supervised and in the majority of cases they still continue with chemotherapy while at work so that any potential breakdown and subsequent infection of fellow employees is minimised."

From the reports received it would appear that much is being done to provide suitable employment and to safeguard the spread of infection during working hours in all areas.

Arrangements continue for the admission of patients to Preston Hall Colony and Papworth Village Settlement. These cases are admitted on the recommendation of the chest physicians and with the approval of the medical superintendents of the settlements as to their suitability. On the 1st January three patients for whom the County Council accepted liability, were in village settlements. During the year one of these patients was discharged and another admitted, leaving three in residence at the end of the year.

(*d*) *Notification.*—So far as can be ascertained the standard of notification is good although some non-respiratory cases apparently escape when they are diagnosed and treated at hospitals without reference to the chest physicians. During the year there were five posthumous notifications and 27 cases died without ever being notified. The figures for 1953 were six and 52 respectively.

Attempts, not always successful, are made to examine the contacts of patients dying without notification and the task of persuading them to attend the clinics for examination is largely in the hands of the health visitors who receive from the local registrars of births and deaths, via the county health department, immediate notifications of deaths from tuberculosis occurring within the administrative county.

(*e*) *Ascertainment Schemes for Early Cases among Children and Others.*—Cooperation is good and cases are referred from maternity and child welfare centres, school clinics, general practitioners, children's homes, and paediatricians. There are no special schemes to report.

(*f*) *Special Case Finding Surveys.*—The mass miniature radiography units operate in all areas, undertaking in addition to the general public, the examination of special groups in factories, industries, universities, colleges and schools.

(*g*) *B.C.G. Vaccination.*—This work is undertaken by the chest physicians at the chest clinics and during the year 790 cases received protection.

Tuberculin testing and B.C.G. vaccination of school children born in 1941 in the Stanley Urban District was carried out in November and December by the medical officer of health, with the assistance of Dr. F. O. Potter, area chest physician, and 316 children were protected.

The chest physician at Darlington (Dr. Walker) also vaccinated 58 children at Aycliffe Approved School.

(*h*) *Extra Nourishment.*—Liquid milk is supplied to tuberculous patients on the recommendation of the chest physician. Each case is subject to the County Council scale of charges based on the income of the household. At the end of 1954, 56 cases were receiving free milk and four had supplies at reduced cost.

(*i*) *Beds and Bedding.*—These articles are loaned free of charge to tuberculous patients if the household circumstances justify assistance. Recommendations are received from chest physicians, health visitors and district nurses or other reliable sources.

GENERAL ILLNESS.

Nursing Equipment.—A central store of appliances is maintained in the health department and issues are made on the recommendation of a doctor, health visitor, district nurse or almoner. The district nurses are notified of all patients in their districts who have equipment on loan and they maintain a general supervision, notifying the health department when the equipment is no longer required.

During the year local stores of the smaller articles of equipment, in demand most, were established in Stockton and Hartlepool.

Cooperation with the almoners of the hospitals receiving patients from the administrative county is good and advance notice is given of the discharge of patients in order that nursing appliances may be at their disposal on their arrival home. Special attention is given to paraplegics and no charge is made for equipment supplied for the use of these cases.

TABLE 25.

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.

Summary of provision made during 1954.

Districts.	Air Cushions	Air Beds	Bathmat—Dunlopillo	Bedsteads	Bed Cradles	Bedpans	Bed Tables	Bedrests	Bedrests—Dunlopillo	Bed Blocks (sets)	Blankets (Pairs)	Commodes	Cots—Adult	Crutches—Elbow (Pairs)	Crutches (Pairs)	Diabetic Scales	Draw Sheets	Electric Pad	Feeding Cups	Fireguards	Foot Boards	Fracture Boards	Garden Shelters	Mattress (Hair)	Mattress (Dunlopillo)	Pillows	Pillows (Dunlopillo)	Pillow-cases	Pillow-cases (Plastic)	Pulley Attachment	Rubber Sheeting	Sheets	Spinal Carriages	Invalid Chairs: Push	Invalid Chairs: Rim-Driven	Invalid Chairs: Chain-Propelled	Invalid Chairs: Junior Push	Urine Bottles	Sputum Mugs	Walking Sticks	Milk: Cases Receiving Free Milk	Milk: Cases Making Part Payment
1. Blaydon U.D. ... ... Ryton U.D. ... ... Whickham U.D.	44	2	—	5	4	43	—	39	—	—	1	2	—	—	—	1	—	—	1	—	—	—	—	1	14	—	—	—	—	3	44	2	2	6	3	—	5	19	—	—	—	—
2. Jarrow M.B. ... ... Felling U.D. ... ... Hebburn U.D.	118	1	—	2	14	132	1	93	—	—	2	11	2	—	2	—	3	—	1	1	—	—	—	1	24	2	2	4	—	1	151	2	1	22	7	—	2	54	—	—	—	—
3. Consett U.D. ... ... Stanley U.D. ... ... Lanchester R.D.	60	1	—	6	13	61	—	50	—	—	2	7	—	—	5	—	—	—	—	—	—	1	—	3	17	4	2	2	—	—	51	2	2	24	4	—	1	24	—	3	5	—
4. Chester-le-Street U.D. ... ... Chester-le-Street R.D.	43	1	—	8	9	54	—	61	—	—	1	4	—	—	—	—	—	1	1	—	—	—	—	3	56	—	1	2	—	2	61	2	2	15	1	—	3	27	1	—	11	—
5. Boldon U.D. ... ... Hetton U.D. ... ... Houghton-le-Spring U.D. ... Washington U.D. ... ... Sunderland R.D.	53	—	—	1	9	70	—	54	—	—	1	6	—	—	1	—	—	—	—	—	—	—	—	1	6	2	5	2	—	—	56	2	1	33	5	—	4	26	—	—	6	—
6. Crook & Willington U.D.... ... Tow Law U.D. ... ... Weardale R.D.	46	2	—	—	1	25	—	27	—	—	1	2	—	—	—	—	1	—	—	—	—	—	—	—	12	—	—	—	—	—	28	—	—	5	—	—	1	5	—	1	—	—
7. Durham M.B. ... ... Brandon & Byshottles U.D. ... Durham R.D.	82	1	—	3	5	67	2	57	—	2	4	10	—	1	3	—	—	—	3	—	—	—	—	1	31	10	—	6	1	1	75	5	—	19	4	1	3	36	—	1	9	—
8. Seaham U.D. ... ... Easington R.D.	51	—	1	6	8	71	1	46	1	—	2	16	—	—	2	—	7	—	—	—	—	6	1	—	20	32	—	10	—	5	49	8	2	41	9	—	1	30	—	4	9	3
9. Barnard Castle U.D. ... ... Barnard Castle R.D.	3	1	—	—	—	6	—	5	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	8	—	—	1	—	—	6	—	—	5	2	—	—	—	—	—	1	—
10. Bishop Auckland U.D. ... ... Shildon U.D. ... ... Spennymoor U.D.	51	1	—	—	—	43	—	45	—	—	1	2	—	—	2	—	—	—	—	—	—	—	—	1	16	2	1	2	—	—	46	2	2	16	1	—	4	19	—	—	4	—
11. Hartlepool M.B. ... ... Billingham U.D. ... ... Darlington R.D. ... ... Sedgefield R.D. ... ... Stockton R.D.	32	1	—	4	2	27	—	13	—	—	—	7	—	—	2	—	—	—	—	—	—	1	—	1	10	—	—	—	—	3	30	—	1	25	2	—	3	16	—	—	5	—
12. Stockton M.B.	11	—	—	1	—	8	—	6	—	—	—	3	—	—	1	—	—	—	—	—	—	1	—	1	1	—	—	—	—	—	17	—	—	13	2	—	2	6	—	—	6	1
ADMINISTRATIVE COUNTY ...	594	11	1	36	65	607	4	496	1	2	16	70	2	1	19	1	11	1	6	1	—	9	1	13	215	52	11	29	1	15	614	25	13	224	40	1	29	262	1	9	56	4

Table 25 gives a summary of provision made during 1954.

Occupational Therapy.—No occupational therapists are directly employed. With the cooperation of the county education department tuition in certain subjects can be provided and liaison has also been maintained with officers of the National Assistance Board, Ministry of Pensions and voluntary bodies, e.g., Voluntary Care Committees, British Red Cross.

Venereal Diseases.—The social worker who works in close cooperation with the venereal diseases treatment centres serving the administrative county is employed in following up contacts and patients under treatment.

Health Education.—Exhibition stands on loan from the Central Council for Health Education showing the following topics were displayed at child welfare centres and in large shops in all parts of the county for varying periods.—

The Work of the Sanitary Inspector	Foot Infections
Breast Feeding	Vaccination
Diphtheria Immunisation	Head Lice
Care of the Teeth	Care of the Feet.

During the year 45 films covering a wide range of relevant subjects were displayed to audiences totalling almost 2,500 people in many parts of the county. Groups to whom shows were given included Parent-Teacher Associations, Townswomen's Guilds, Women's Institutes, Mothers' Clubs and Health Visitors. Two whole days were spent at the Consett Urban District annual show presenting a selection of films to successive audiences from the general public.

A film-strip projector has been used to display suitable propaganda to smaller audiences at welfare centres.

Convalescent Homes.—The acute shortage of convalescent home accommodation in this area continues and none is available to the County Council.

DOMESTIC HELP SERVICE.

The object of the service is to provide domestic help for households "where such help is required owing to the presence of any person who is ill, an expectant mother, lying-in, mentally defective, aged, or a child not over school age." The great majority of the cases are, in fact, old people who are also sick and infirm, though the service has given assistance to many younger households and homes where children require care because of the mother's illness.

The demand for the service continues. Each year the number of households benefiting from the assistance of a home help increases, a total of 4,322 cases being served in 1954, compared with 3,791 in 1953, an increase of 531. Many people who would otherwise be in hospital remain at home if a home help is provided and because of the availability of a home help others are discharged at a much earlier date than would otherwise be possible.

The fee for the service was 2/11d. per hour rising to 3/1d. per hour on the 1st October but a scale of charges is in operation and the amount payable is assessed according to the income of the family concerned, due allowance being made for the number in the family, rent and other such circumstances.

Home helps were paid at the rate of 2/4⅝d. per hour up to the 7th August and 2/5¾d. per hour from the 9th August, an additional payment of 2d. per hour being made for attendance on infectious disease cases from 6th December. Their duties may include the care of young children, the care of the sick and aged, and the domestic work of the house, but owing to the demands on the service, the work has had to be restricted to essentials. Having regard to the distribution of population almost all home helps are part-time and they are expected to be experienced in running a home, informed about catering and sensible in the management of children. Many of our home helps have a strong sense of community service and this is shown by the hours of voluntary work they give to their cases. No sitters-in are employed.

For the purpose of organisation the County is now divided into thirteen areas, each one supervised by an assistant organiser. The assistant organiser investigates every application in her area (3,047 cases were investigated during the year) such applications besides coming from the general public, being received from general practitioners, hospital almoners, chest clinics, National Assistance Board, welfare officers, children's officer, health visitors, district nurses and midwives. Cooperation is close and cordial. Every case is visited fortnightly to ensure satisfactory working and the supervision is continued to the end of the case so that if conditions change the services of the home help may be altered to suit.

The following is a brief summary giving figures of the work accomplished.—

No. of cases provided with home help during the year.—

Maternity	183
Tuberculosis	34
Others	4,105
Total	4,322

No. of cases attended on the 1st January	2,322
New cases during the year	2,000
Cases terminated	1,585
Cases attended on the 31st December	2,737
No. of cases on waiting list on 31st December ...	25
Applications withdrawn or refused	1,022

The assistant organisers made visits as under.—

Preliminary visits to applicants	2,601
Routine visits to applicants	57,418
Enquiries regarding home helps	1,560
Visits to home helps	5,725
Other visits	933
Total	68,237

MENTAL HEALTH.

The proposals for carrying out the duties under Section 51 of the National Health Service Act, 1946, approved originally by the Minister of Health on the 24th May, 1948, were amended (and approved) on the 30th October, 1954, by the addition of the following paragraph.—

Part II.

Development.

(*b*) *Training of defectives.*

(iii) The local health authority may, in approved cases, provide occupation and training for mental defectives by making arrangements with other local health authorities for admission to their centres of cases from the administrative county area. Similar arrangements will be made in conjunction, where appropriate, with a hospital authority.

Administration.

(*a*) The Mental Health Sub-Committee of the County Health Committee is responsible for the administration of the Mental Health Service.

(*b*) *Staff employed.*

Duly Authorised Officers	7
Supervisors, Occupation Centres	3
Assistant Supervisors, do.	4
Mental Health Workers (home teachers)	1

The Deputy County Medical Officer deals with mental health administrative work and the examination and certification of mental defectives under the Mental Deficiency Acts on behalf of the County Medical Officer.

(*c*) There are no arrangements for joint use of the services of officers of the Regional Hospital Board or Hospital Management Committees. Patients out on trial from mental hospitals or on licence from institutions for mental defectives are supervised by the hospitals concerned.

Account of work undertaken in the Community.

(*a*) The supervision of mental defectives, except those on licence from certified institutions, is carried out by health visitors, who made 7,006 visits to 1,932 defectives during the year. Of the defectives known to this Authority, 13 have given birth to children during this period, 5 while unmarried. Eight defectives were married. Difficulty continues to be experienced in the appointment of staff to deal with the prevention of illness, care and after-care.

(*b*) *Lunacy and Mental Treatment Acts, 1890-1930.*—During the year the duly authorised officers, at the request of the medical practitioners or the police, investigated cases under the Lunacy and Mental Treatment Acts. In the following cases admission to a mental hospital was arranged.

Lunacy Act, 1890.

Section 16—Certified patients	... ...	350
,, 20—3-Day Orders ...	... ...	335
,, 21 (1)—14-Day Orders	... ...	50
,, 55—Relapse on trial ...	... ...	7
,, 85—Escape and recapture	... ...	5

Mental Treatment Act, 1930.

Section 1—Voluntary patients	... ...	113
,, 5—Temporary patients	... ...	19

(c) *Under the Mental Deficiency Acts, 1913-1918.*

(i) Cases are ascertained by school medical officers, child welfare medical officers, private practitioners, hospital staffs, health visitors, and social workers, and supervision is carried out by health visitors.

On the 31st December there were 2,711 mentally defective persons on the register which number gives an ascertainment figure of 2.98 per 1,000 population in the administrative county area. Table 26 shows the sex distribution of patients on the register.

TABLE 26.

Mentally Defective Persons : Sex distribution.

Distribution of cases	Male	Female	Total
In certified hospitals for mental defectives	281	273	554
Places of safety	4	16	20
In State hospitals	10	5	15
Under Guardianship	5	5	10
Domiciliary supervision	925	977	1,902
Pending	23	10	33
In General hospitals	30	46	76
In Mental hospitals...	40	61	101
Totals	1,318	1,393	2,711

During the year 115 cases were added to the register.

Under the provisions of the Education Act, 1944, the Local Education Authority notified during the year to the Local Health Authority the following.—

	M.	F.	Total.
Under Section 57 (3)—Children considered ineducable within the school system	31	28	59
Under Section 57 (5)—Children who require further supervision after leaving school	6	—	6

During the year 76 patients were admitted to hospitals under the Acts.

Examinations by Medical Officer.

The number of examinations made by a medical officer for the purpose of certification or classification is shown in the following table.

TABLE 27.

Examinations	Certifiable	Not Certifiable	Total
Domiciliary	87	8	95
In hospitals	13	—	13
In Medical Officer's office ...	18	—	18
In H.M. Prison, Durham ...	13	—	13
Totals ...	131	8	139

(ii) *Guardianship.*—The number of cases under guardianship at the end of the year was 10 and 7 of these are visited at regular intervals by the Deputy County Medical Officer and the health visitors. The remaining 3 are residing outside the county area and are visited by officers of other authorities.

(iii) *Home Teaching.*—A home teacher of mental defectives commenced duty in the south Tyneside area on the 1st June and on 31st December 22 children were receiving training in their own homes in this area.

Occupation Centres.—New centres were opened at Stockton-on-Tees and Houghton-le-Spring, on 26th April, with 24 children and 14 children respectively in attendance. The numbers in attendance on 31st December were as follows : at Stockton-on-Tees, 25 ; at Houghton-le-Spring, 19 ; and at Consett, 17.

In addition, 6 children were attending occupation centres of other local authorities.

AREA HEALTH SUB-COMMITTEES.

Table 28 shows the number of meetings held by the area health sub-committees during the year in accordance with the scheme adopted by the County Council in 1948.

TABLE 28.

No. of Area.	Names of County Districts comprised in the area.	Medical Officer.	Number of members.	Meetings held.
1	Blaydon U.D. ... ... Ryton U.D. ... ... Whickham U.D.	Vacant.	20	5
2	Jarrow Borough ... ... Felling U.D. ... ... Hebburn U.D.	J. A. W. Reid, M.B., Ch.B., D.P.H.	21	4
3	Consett U.D. ... ... Stanley U.D. ... ... Lanchester R.D. ...	S. Ludkin, M.B., B.S., D.P.H.	21	4
4	Chester-le-Street U.D. ... Chester-le-Street R.D. ...	J. L. Siddle, M.B., B.S., D.P.H.	16	5
5	Boldon U.D. ... ... Hetton U.D. ... ... Houghton-le-Spring U.D. Washington U.D. ... Sunderland R.D. ...	L. A. M. Johnston, B.Sc., M.B., Ch.B., D.P.H.	25	4
6	Crook & Willington U.D. Tow Law U.D. ... ... Weardale R.D.	G. A. Macgregor, M.D., D.P.H.	18	4
7	Durham Borough ... Brandon U.D. ... ... Durham R.D.	R. G. Drummond, M.B., Ch.B., D.P.H.	20	3
8	Seaham U.D. ... ... Easington R.D.	J. W. A. Rodgers, M.B., B.Ch., D.P.H.	18	8
9	Barnard Castle U.D. ... Barnard Castle R.D. ...	J. G. Paley, M.R.C.S., L.R.C.P., D.P.H.	15	4
10	Bishop Auckland U.D. ... Shildon U.D. ... ... Spennymoor U.D. ...	H. G. Donald, M.B., Ch.B., D.P.H.	20	4
11	Hartlepool Borough ... Billingham U.D. ... ... Darlington R.D. ... ... Sedgefield R.D. ... ... Stockton R.D.	M. W. Rodgers, M.B., B.Ch., B.A.O., D.P.H.	28	4
12	Stockton Borough ...	H. J. Peters, M.B., B.Hy., D.P.H., D.P.A.	14	10

NATIONAL ASSISTANCE ACT, 1948.

WELFARE SERVICES.

Residential Accommodation.—At the end of the year 845 persons were being provided with accommodation and there were 62 names on the waiting list.

During the year progress has been made as follows.—

New Hostel.—A new hostel known as Winton, Winlaton, was opened for the reception of residents on the 27th May. The hostel provides accommodation for 20 males and 18 females.

Adapted Properties.—Two private properties, suitably adapted, were opened during the year.

(*a*) *Grove Park, Barnard Castle.*—This is a large house standing in well laid-out grounds, in close proximity to the centre of the town. The hostel provides accommodation for 22 men and the first residents were admitted on the 2nd June.

(*b*) *Owton Fens, Greatham.*—This is a large house standing in well laid-out grounds within half a mile of the village of Greatham. The hostel provides accommodation for 21 women and the first residents were admitted on 30th July.

The opening of these additional hostels increased the number of establishments directly controlled by the Health Committee to 1[illegible] and the total number of beds available in these establishments was 549.

Additional Hostels.—In October tenders were accepted for the adaptation of two properties, Nos. 11 and 12, The Cliff, Seaton Carew. The work of adaptation is proceeding.

Work is also proceeding on the adaptation of Holmfield, Crook and the erection of new hostels at Stanley and Jarrow.

Site for New Hostel.—In October the purchase of a site for a new hostel in Woodhouse Lane, Bishop Auckland, was authorised.

The following statement shows the distribution of residents at the end of year.—

	Home.	Residential Accommodation Beds Provided.	Beds Occupied.	Hospital Patients.
In Homes controlled by the Welfare Sub-Committee.	Cambridge House, Barnard Castle	86	79	50
	Heath House, Houghton-le-Spring	126	122	
	Ivy House, Sedgefield	77	77	
	Seaton Holme, Easington	35	33	
	Weardale House, Stanhope	59	59	
	Newtown House, Stanhope	30	30	
	The Hermitage, Whickham	18	18	
	Parkside, Billingham	38	37	
	Winton, Winlaton	38	38	
	Grove Park, Barnard Castle	22	21	
	Owton Fens, Greatham	21	17	
In Hospitals transferred to the Regional Hospital Board on 5th July, 1948.	Bishop Auckland	1	1	
	Chester-le-Street	47	43	
	Durham	50	50	
	Lanchester	62	54	
	Stockton	40	32	
In Homes controlled by.—				
(*a*) *Neighbouring County Boroughs*	Darlington		10	
	Gateshead		47	
	South Shields		17	
	Sunderland		2	
	West Hartlepool		10	
(*b*) *Other Local authorities*			11	
In Special Homes			37	
	Totals	—	845	50

The number of employees in the eleven hostels directly controlled by the Health Committee was as follows.—

Superintendents	4
Matrons	7
Wardens	2
Other Staff	155
	168

WELFARE OF THE BLIND AND OTHER HANDICAPPED PERSONS.

Blind Persons.—The number of blind persons on the County Council's register on the 31st December was 2,028, or 19 more than at the end of 1953. During the year the names of 281 blind persons were added to the register, 9 persons who had been registered as blind were certified partially-sighted and their names transferred to the register of partially-sighted persons. Fifteen persons who had been registered as blind were certified not blind and the names removed from the register and 238 died or left the county area. Of the 24 patients certified not blind or partially-sighted, sight has been restored in 23 cases after surgical treatment. The five part-time ophthalmologists appointed by the County Council completed 465 forms B.D.8 (Certificate of Blindness) as a result of their examinations. In addition 18 forms B.D.8 were submitted by other ophthalmologists. These 483 cases are classified as follows.—

First examinations.—

No. certified blind	228
No. certified partially-sighted	84
No. certified not blind	66

Re-examinations.—

No. certified blind	37
No. certified partially-sighted	40
No. certified not blind	28

At the end of the year the number of partially-sighted persons registered was 364.

There were no cases of retrolental fibroplasia among premature infants during the year. The following table gives information regarding the follow-up action taken in respect of registered blind and partially-sighted persons.—

TABLE 29.

Follow-Up of Registered Blind and Partially-Sighted Persons.

	Cause of Disability			
(i) Number of cases registered during the year in respect of which para. 7 (*c*) of Forms B.D.8 recommends.—	Cataract	Glaucoma	Retrolental Fibroplasia	Others
(*a*) No treatment.—				
Blind	60	12	4	140
Partially-Sighted	11	—	—	28
(*b*) Treatment.— (medical, surgical or optical)				
Blind	36	5	—	8
Partially-Sighted	27	5	—	29
(ii) Number of cases at (i) (*b*) above which on follow-up action have received treatment.—				
Blind	10	1	—	5
Partially-Sighted	16	5	—	23

Of the 13 cases of glaucoma included in the table above and certified blind, 2 did not receive treatment for this condition prior to the completion of Form B.D.8.

In all cases of cataract and glaucoma where the examining opthalmologist makes a recommendation for treatment, a letter is addressed to the patient's private doctor informing him of the findings and the recommendations of the ophthalmologist. At the same time an offer is made for the case to be referred to the ophthalmology department of the nearest hospital and the subsequent progress is notified to the medical practitioner as and when it becomes known to this Department. In the majority of cases the medical practitioners avail themselves of this offer and the arrangements have been found to work satisfactorily.

The following information relates to trained blind persons in employment at the end of the year.

	Institution Workers	*Home Workers*
Royal Institution for the Blind, Sunderland	36	2
Cleveland & South Durham Institute for the Blind, Middlesbrough	12	1
Hartlepools Workshops for the Blind, West Hartlepool	1	—
National Library for the Blind, Braille Copyists	—	2
Catholic Blind Asylum, Liverpool	1	—
Henshaw's Institution for the Blind, Manchester	1	—

On the 31st December the number of trained but unemployed blind persons was 9 and the number of blind persons in Homes for the Blind was 14.

High Myopia.—It has been the practice for many years for the school health service to notify the health department of all school leavers suffering from high myopia who are not registered blind or partially sighted persons. These cases are followed up by health visitors with a view to ensuring that the children continue to wear suitable spectacles and obtain replacements where necessary.

Home Teachers for the Blind.—There were 17 home teachers for the blind in the County area of whom 4 were registered blind persons.

Deaf and Dumb.—At the end of the year the number of deaf and dumb persons on the register was 653.

Epilepsy.—Children of school age suffering from epilepsy are ascertained by school medical officers. Where necessary admission to a special school for epileptics is arranged. Many of the children are able to attend the ordinary school without difficulty.

At the end of the year, there were 8 males and 13 females in colonies for epileptics in different parts of the country. There were, in addition, 13 males and 9 females in part III accommodation in the county, and 1 male and 2 females accommodated by other local authorities for whose maintenance the Council are responsible. None of the cases in part III accommodation was considered of sufficient severity to require transfer to a colony for epileptics.

When new cases of epilepsy are notified it is rarely possible to secure their immediate admission to a colony. The names, however, are placed on a waiting list and there is no undue delay in admission.

Handicapped Persons.—During the year a register of handicapped persons was commenced and consideration was given to methods of further implementing the Council's scheme under Sections 29 and 30 of the National Assistance Act, 1948.

The register includes persons suffering from cerebral palsy and it is hoped that, with increased sources of information, some action will be possible for this particular type of handicapped person.

The appointment of qualified staff for occupational therapy and welfare work received consideration and it was hoped at an early date to make suitable appointments.

TUBERCULOSIS.

INCIDENCE AND MORTALITY.

The number of primary notifications of respiratory tuberculosis received during the year was 788 and of non-respiratory tuberculosis 123 compared with 875 and 128 respectively in 1953. (See Tables 30 to 34). The figures for non-respiratory tuberculosis (60 males and 63 females) are the lowest on record. The total notifications for the year (911) show a reduction of 92 compared with 1953 and give an incidence rate for all forms of tuberculosis of 1.00 per 1,000 population, the rate for 1953 being 1.11.

Table 36 gives the number of deaths from respiratory and non-respiratory tuberculosis by age periods and in the separate county districts and areas.

The number of deaths from respiratory tuberculosis (176) has decreased by 45 and the deaths from non-respiratory tuberculosis (15) by 9. Deaths from both forms of tuberculosis are the lowest on record.

TABLE 30.

ADMINISTRATIVE COUNTY OF DURHAM, TUBERCULOSIS—New Cases and Deaths, 1930-1954.

Year.	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
1930	493	488	401	366	404	367	124	99
1931	493	446	372	356	343	327	116	89
1932	506	477	450	406	353	326	126	85
1933	447	419	343	328	368	303	72	72
1934	456	396	321	297	342	312	75	67
1935	376	376	306	248	315	295	79	63
1936	384	380	298	275	298	256	72	63
1937	406	334	272	258	268	255	65	68
1938	339	317	302	293	270	200	57	67
1939	410	295	266	254	292	217	67	54
1940	380	291	226	248	290	236	45	37
1941	388	382	241	240	299	243	55	51
1942	367	390	248	244	245	190	68	55
1943	438	398	240	290	296	218	64	26
1944	445	469	235	246	233	190	51	49
1945	527	386	249	265	255	203	48	56
1946	604	447	202	183	231	199	64	47
1947	534	474	166	172	253	263	58	38
1948	595	532	146	149	200	236	58	34
1949	552	515	127	146	240	188	39	35
1950	682	607	113	130	220	136	34	22
1951	654	525	102	110	195	126	26	22
1952	562	476	70	97	138	84	13	13
1953	502	415	66	78	129	92	14	10
1954	449	361	68	65	120	56	11	4

TABLE 31.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Notifications of tuberculosis in each urban and rural district of the administrative county during the period 1st January, 1954 to 31st December, 1954.

District.	Primary Notifications of new cases of Tuberculosis.			
	Respiratory.		Non-respiratory.	
	Males	Females	Males	Females
Area No. 1.				
Blaydon U.D.	14	14	1	1
Ryton U.D.	11	2	2	1
Whickham U.D.	16	11	1	3
Area No. 2.				
Jarrow M.B.	28	25	2	5
Felling U.D.	29	21	3	4
Hebburn U.D....	25	19	3	2
Area No. 3.				
Consett U.D.	12	14	4	7
Stanley U.D.	35	23	7	1
Lanchester R.D.	5	5	—	2
Area No. 4.				
Chester-le-Street U.D. ...	9	5	2	3
Chester-le-Street R.D. ...	22	27	1	3
Area No. 5.				
Boldon U.D.	10	6	1	2
Hetton U.D.	6	7	—	—
Houghton-le-Spring U.D. ...	11	16	1	1
Washington U.D.	11	15	1	1
Sunderland R.D.	7	13	1	3
Area No. 6.				
Crook & Willington U.D. ...	14	16	2	—
Tow Law U.D.	1	1	1	1
Weardale R.D.	1	—	2	1
Area No. 7.				
Durham M.B.	7	5	1	—
Brandon & Byshottles U.D.	7	8	—	—
Durham R.D.	11	9	1	2
Area No. 8.				
Seaham U.D.	13	9	4	3
Easington R.D.	29	17	5	5
Area No. 9.				
Barnard Castle U.D.	1	—	—	—
Barnard Castle R.D.	8	6	—	1
Area No. 10.				
Bishop Auckland U.D. ...	6	5	2	1
Shildon U.D.	3	3	1	—
Spennymoor U.D.	13	3	2	—
Area No. 11.				
Hartlepool M.B.	7	10	3	5
Billingham U.D.	10	9	—	—
Darlington R.D.	7	3	1	—
Sedgefield R.D.	7	9	3	2
Stockton R.D....	1	—	—	—
Area No. 12.				
Stockton M.B....	37	18	2	3
ADMINISTRATIVE COUNTY ...	434	354	60	63

TABLE 32.

ADMINISTRATIVE COUNTY OF DURHAM, 1954—Tuberculosis Notifications.

AGE PERIODS	Formal Notifications													
	Number of Primary Notifications of new cases of tuberculosis													
	0—	1—	2—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	Total (all ages)
Respiratory, Males	4	3	6	18	18	52	55	80	44	82	55	16	1	434
Respiratory, Females	1	6	3	12	25	65	80	88	34	19	13	7	1	354
Non-Respiratory, Males	—	2	6	10	8	11	3	8	3	1	1	5	2	60
Non-Respiratory, Females ...	1	2	4	14	9	7	7	8	5	2	2	1	1	63

TABLE 33.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—New cases of tuberculosis coming to the knowledge of the County Medical Officer of Health otherwise than by Formal Notification.

SOURCES OF INFORMATION			Number of cases in age Groups														
			0—	1—	2—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—	TOTAL	
Death Returns from Local Registrars	Respiratory	M	—	—	—	—	—	—	—	—	—	2	3	2	—	7	(A)
		F	—	—	1	—	—	—	—	—	—	1	—	1	1	4	(B)
	Non-Respiratory	M	—	—	—	—	—	—	—	—	—	3	1	—	—	4	(C)
		F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(D)
Death Returns from Registrar-General (Transferable deaths)	Respiratory	M	—	—	—	—	—	—	—	—	—	2	2	—	—	4	(A)
		F	—	—	—	—	—	—	—	—	—	—	—	2	—	2	(B)
	Non-Respiratory	M	—	—	—	—	—	2	—	—	—	—	1	1	—	4	(C)
		F	—	—	—	—	—	—	—	—	—	—	2	—	—	2	(D)
Posthumous Notifications	Respiratory	M	—	—	—	—	—	—	—	—	—	—	2	2	—	4	(A)
		F	—	—	—	—	—	—	—	—	—	—	—	1	—	1	(B)
	Non-Respiratory	M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(C)
		F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(D)

TOTALS		
	(A)	15
	(B)	7
	(C)	8
	(D)	2

TABLE 34.

ADMINISTRATIVE COUNTY OF DURHAM.—Primary Notifications of Tuberculosis, 1944-1954.

Year	Respiratory	Non-Respiratory	Totals
1944	801	399	1,200
1945	754	423	1,177
1946	956	352	1,308
1947	925	307	1,232
1948	1,047	269	1,316
1949	917	228	1,145
1950	1,060	205	1,265
1951	1,053	182	1,235
1952	917	158	1,075
1953	875	128	1,003
1954	788	123	911

TABLE 35.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Tuberculosis New Cases and Mortality.

Age Period	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0 ...	4	1	—	1	—	—	—	—
1 ...	9	10	8	6	—	2	—	—
5 ...	18	12	10	14	—	—	—	—
10 ...	18	25	8	9	—	—	—	—
15 ...	52	65	13	7	—	1	2	—
20 ...	55	80	3	7	2	3	—	—
25 ...	80	88	8	8	18	17	1	1
35 ...	44	34	3	5	19	15	—	—
45 ...	86	20	4	2	30	5	4	1
55 ...	62	13	3	4	33	4	2	2
65 ...	20	11	6	1	18	6	—	—
75 and upwards	1	2	2	1	—	3	2	—
Totals ...	449	361	68	65	120	56	11	4

TABLE 37.

ADMINISTRATIVE COUNTY OF DURHAM.—Respiratory Tuberculosis Death-rates, 1950-54.

Rate per 1,000 Living.	1950	1951	1952	1953	1954
Municipal Boroughs	0.47	0.42	0.27	0.31	0.23
Other Urban Districts	0.40	0.38	0.25	0.24	0.18
Rural Districts	0.34	0.29	0.23	0.22	0.19
Administrative County	0.39	0.36	0.25	0.24	0.19*
England and Wales	0.32	0.27	0.21	0.18	0.16†

* This death-rate of 0.19 per 1,000 population is the lowest on record for this administrative county.

† Provisional.

TABLE 38.

ADMINISTRATIVE COUNTY OF DURHAM.—Non-Respiratory Tuberculosis Death-rates, 1950-54.

Rate per 1,000 Living.	1950	1951	1952	1953	1954
Municipal Boroughs	0.11	0.06	0.06	0.04	0.03
Other Urban Districts	0.06	0.05	0.02	0.03	0.02
Rural Districts	0.04	0.05	0.04	0.02	0.01
Administrative County	0.06	0.05	0.03	0.03	0.02*
England and Wales	0.04	0.04	0.03	0.02	0.02†

* This death-rate of 0.02 is the lowest on record for this administrative county.

† Provisional.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

Tables 39 to 43 give particulars of cases of infectious disease occurring during the year, the mortality from the principal infective diseases, and the numbers admitted to isolation hospitals.

Scarlet Fever.—There were 741 cases and 325 were admitted to hospital. No deaths were registered. The corresponding figures for 1953 were 1,426, 838 and no deaths.

TABLE 36.

ADMINISTRATIVE COUNTY OF DURHAM, 1954. Deaths from Tuberculosis.

District.	Respiratory.																												Non-Respiratory.																							
	Under 1 year		1-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75 and upwards		Total		Under 1 year		1-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75 and upwards		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Area No. 1.																																																						
Blaydon U.D.	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	1	—	—	1	—	1	1	—	—	4	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ryton U.D.	—	—	—	—	—	—	—	—	—	—	—	1	2	1	—	1	1	—	2	—	—	—	—	—	5	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whickham U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—
Area No. 2.																																																						
Jarrow M.B.	—	—	—	—	—	—	—	—	—	—	—	1	—	1	1	2	1	—	4	—	1	—	—	—	7	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—
Felling U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	3	1	—	—	—	—	—	—	3	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebburn U.D.	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	1	—	1	—	1	—	—	—	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 3.																																																						
Consett U.D.	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	3	—	3	—	1	1	—	1	8	3	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—
Stanley U.D.	—	—	—	—	—	—	—	—	—	—	1	—	2	—	1	—	1	—	—	—	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lanchester R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 4.																																																						
Chester-le-Street U.D. ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—
Chester-le-Street R.D. ...	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	2	1	—	1	—	—	—	—	—	5	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 5.																																																						
Boldon U.D.	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	1	—	1	—	1	—	—	—	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hetton U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
Houghton-le-Spring U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	2	—	2	—	—	—	5	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Washington U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—
Sunderland R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	3	2	1	1	—	1	—	—	—	5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—
Area No. 6.																																																						
Crook & Willington U.D. ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tow Law U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weardale R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 7.																																																						
Durham M.B.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	1	—	—	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brandon & Byshottles U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Durham R.D.	—	—	—	—	—	—	—	—	—	—	1	—	2	—	—	—	—	1	2	—	1	—	—	—	6	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 8.																																																						
Seaham U.D.	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	2	—	2	—	1	—	—	—	6	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—
Easington R.D.	—	—	—	—	—	—	—	—	—	1	—	—	2	4	1	1	1	—	2	1	—	—	—	—	6	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 9.																																																						
Barnard Castle U.D. ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Barnard Castle R.D. ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 10.																																																						
Bishop Auckland U.D. ...	—	—	—	1	—	—	—	—	—	—	—	—	1	1	3	—	1	—	1	—	—	1	—	1	6	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1
Shildon U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	—	—	—	—	—	—	1	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spennymoor U.D. ...	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	1	—	—	—	—	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 11.																																																						
Hartlepool M.B.	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	2	—	—	—	1	—	—	—	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Billingham U.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	2	—
Darlington R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	1	—	—	—	—	—	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sedgefield R.D.	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	1	1	1	1	1	1	1	—	—	6	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stockton R.D.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Area No. 12.																																																						
Stockton M.B.	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	2	1	2	—	5	1	—	—	10	3	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—	1	—	—	—	—	1	2
ADMINISTRATIVE COUNTY	—	—	—	2	—	—	—	—	—	1	2	3	18	17	19	15	30	5	33	4	18	6	—	3	120	56	—	—	—	—	—	—	—	—	2	—	—	—	1	1	—	—	4	1	2	2	—	—	2	—	11	4

TABLE 39.

ADMINISTRATIVE COUNTY OF DURHAM, 1954—Final numbers of Infectious Diseases after correction.

	Scarlet Fever		Whooping Cough		Acute Poliomyelitis: Paralytic		Acute Poliomyelitis: Non-Paralytic		Measles (excluding rubella)		Diphtheria	
	M	F	M	F	M	F	M	F	M	F	M	F
Numbers Originally Notified	372	378	1200	1381	38	30	11	11	2900	2682	28	19
Final numbers after correction												
0—	2	1	123	116	2	1	—	—	146	139	—	—
1—	39	32	333	384	14	10	2	1	754	667	1	—
3—	93	80	399	435	4	4	2	2	868	816	1	—
5—	171	190	331	408	6	9	3	4	1106	1043	2	2
10—	41	42	8	19	1	—	1	2	16	13	2	—
15—	17	16	1	5	2	2	—	—	—	4	1	—
25 and Over	8	6	3	10	3	2	2	—	3	1	2	—
Age unknown	—	3	1	2	—	—	—	—	5	4	—	—
TOTALS ...	371	370	1199	1379	32	28	10	9	2898	2687	9	2

	Acute Pneumonia		Dysentery		Smallpox		Acute Encephalitis: Infective		Acute Encephalitis: Post-Infectious		Enteric or Typhoid Fever		Paratyphoid Fevers		Erysipelas		Meningococcal Infection		Food Poisoning		*Puerperal Pyrexia		*Ophthalmia Neonatorum		*Chicken Pox		*Malaria	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Numbers Originally Notified	399	325	234	285	—	—	1	1	—	—	3	1	11	7	43	48	35	17	92	91	—	137	9	4	35	26	7	—
Final numbers after correction																												
0—	68	68	98	78	—	—	—	—	—	—	—	—	2	3	—	—	12	9	13	9	—	—	—	—	—	—	—	—
5—	49	37	55	61	—	—	—	—	—	—	1	—	2	—	1	2	4	1	2	5	—	—	—	—	—	—	—	—
15—	113	71	35	70	—	—	—	—	—	—	—	—	3	2	15	8	1	1	31	19	—	—	—	—	—	—	—	—
45—	109	58	16	46	—	—	—	—	—	—	—	—	1	1	19	22	—	2	17	22	—	—	—	—	—	—	—	—
65 and over	55	83	12	16	—	—	—	—	—	—	—	—	—	—	8	15	—	—	13	21	—	—	—	—	—	—	—	—
Age unknown	3	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—
TOTALS ...	397	319	216	271	—	—	—	—	—	—	1	—	8	6	43	48	17	13	76	77	—	136	9	4	35	26	8	—

	Tuberculosis: Respiratory		Tuberculosis: Meninges & C.N.S.		Tuberculosis: Other	
	M	F	M	F	M	F
Numbers Originally Notified	448	358	12	14	46	52
Final numbers after correction						
0—	15	9	2	3	4	5
5—	34	36	5	6	13	18
15—	115	154	3	3	10	13
25—	125	118	—	1	12	12
45—	140	32	1	—	—	2
65 and over	18	9	—	—	7	2
Age unknown	—	—	—	—	—	—
TOTALS ...	447	358	11	13	46	52

*Age not specified.

TABLE 40.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Corrected Number of certain Infectious Diseases notified and number removed to Isolation Hospitals in each sanitary district.

Districts.	Est. Population 1954	Scarlet Fever		Whooping Cough		Diphtheria		Measles		Pneumonia		Meningococcal Infection		Acute Poliomyelitis: Paralytic		Acute Poliomyelitis: Non-Paralytic		Acute Encephalitis: Infective		Acute Encephalitis: Post-Inf'tious		Dysentery		Ophthalmia Neonatorum		Puerperal Pyrexia		Smallpox		Para-Typhoid Fever		Enterio or Typhoid Fever		Food Poisoning		Tuberculosis: Respiratory		Tuberculosis: Meninges & C.N.S.		Tuberculosis: Other		Erysipelas		Chicken Pox		Malaria		Totals	
		No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital	No. Notified	Removed to Hospital
Area No. 1.																																																			
Blaydon U.D.	30,360	40	1	27	—	—	1	223	—	9	—	—	—	3	4	2	2	—	—	—	—	77	2	—	—	—	—	—	—	5	5	—	—	27	—	31	30	—	—	2	—	—	—	—	—	—	—	446	45
Ryton U.D.	13,710	2	1	4	—	—	—	66	—	—	—	3	2	—	—	—	—	—	—	—	—	5	—	—	—	1	1	—	—	—	—	—	—	—	—	15	—	—	—	2	—	4	1	—	—	—	—	102	5
Whickham U.D.	22,870	47	8	63	—	—	—	40	—	11	3	—	1	—	—	1	2	—	—	—	—	7	—	2	—	—	—	—	—	—	—	—	—	2	1	25	18	1	1	5	1	6	1	—	—	—	—	210	36
Area. No. 2.																																																			
Jarrow M.B.	29,100	7	5	80	—	—	—	404	—	60	—	1	—	2	2	—	—	—	—	—	—	25	—	—	—	7	5	—	—	—	—	—	—	—	—	50	17	3	4	5	3	—	—	—	—	—	—	644	36
Felling U.D.	25,840	11	9	26	1	—	—	171	—	24	16	2	2	2	3	4	3	—	—	—	—	1	—	—	—	3	—	—	—	—	—	—	—	1	1	50	61	2	2	5	7	4	—	—	—	—	—	306	105
Hebburn U.D.	23,480	9	8	76	1	—	—	378	—	38	18	2	2	2	1	—	—	—	—	—	—	64	6	—	—	1	—	—	—	1	1	—	—	—	—	49	11	1	—	1	—	2	1	—	1	—	—	624	50
Area No. 3.																																																			
Consett U.D.	38,830	15	1	130	3	—	—	114	—	10	—	1	1	4	2	—	—	—	—	—	—	64	5	—	—	1	1	—	—	—	—	—	—	32	—	27	15	1	—	10	—	2	—	—	—	2	—	413	28
Stanley U.D.	48,020	47	2	126	2	—	1	435	4	71	13	2	3	2	2	—	—	—	—	—	—	40	5	—	—	2	—	—	—	—	—	—	—	16	1	59	31	1	1	8	2	10	—	—	—	—	—	819	67
Lanchester R.D.	15,100	12	2	63	1	—	1	245	1	12	—	—	—	1	—	1	1	—	—	—	—	17	8	—	—	—	—	—	—	2	2	—	—	35	2	9	3	—	—	3	—	6	—	—	—	—	—	406	21
Area No. 4.																																																			
Chester-le-Street U.D. ...	18,380	7	2	17	—	—	—	18	—	13	11	—	—	1	1	—	—	—	—	—	—	3	3	—	—	1	—	—	—	—	—	—	—	—	—	15	4	—	1	4	3	1	—	—	—	—	—	80	25
Chester-le-Street R.D. ...	41,110	85	79	87	1	—	—	108	—	60	30	—	3	2	2	2	1	—	—	—	—	9	5	1	—	3	1	—	—	—	—	—	3	—	1	49	25	—	—	4	—	2	—	—	—	2	—	414	151
Area No. 5.																																																			
Boldon U.D.	17,600	19	—	21	—	—	—	188	—	4	—	—	—	5	3	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	16	—	—	—	3	—	—	—	—	—	1	—	258	4
Hetton U.D.	18,410	7	2	27	—	—	1	5	—	28	—	1	1	1	2	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	13	8	—	—	—	—	2	1	—	—	—	—	85	16
Houghton-le-Spring U.D.	30,950	24	12	29	—	—	—	174	—	9	—	—	—	7	5	—	—	—	—	—	—	5	5	—	—	—	—	—	—	—	—	—	—	—	—	26	18	—	—	2	2	1	—	—	—	1	—	278	42
Washington U.D. ...	17,730	2	2	3	—	—	—	33	1	7	8	—	—	2	—	4	3	—	—	—	—	2	—	—	—	—	—	—	—	—	2	—	—	19	2	25	12	—	—	1	1	—	2	—	—	—	—	98	33
Sunderland R.D.	26,000	10	—	198	3	—	—	279	1	56	4	—	1	2	2	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	2	—	1	—	2	20	1	1	2	2	—	5	1	—	—	2	—	578	20
Area No. 6.																																																			
Crook & Willington U.D. ...	27,120	16	16	27	—	—	—	148	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	1	—	33	10	2	—	4	—	1	—	—	—	—	—	249	26
Tow Law U.D.	3,150	29	—	9	—	—	—	12	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2	—	—	—	2	—	—	—	—	—	—	—	59	—
Weardale R.D.	9,100	8	3	57	—	—	—	56	—	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	3	—	1	—	—	—	—	—	134	4
Area No. 7.																																																			
Durham M.B.	19,580	5	3	21	—	1	1	34	—	2	—	8	—	5	1	—	—	—	—	—	—	4	1	—	—	8	2	—	—	3	1	—	—	1	—	12	4	1	1	—	—	3	—	—	—	—	—	108	14
Brandon & Bysbottles U.D.	19,810	4	1	96	—	—	—	213	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	9	1	1	—	—	3	—	—	—	—	—	332	12
Durham R.D.	34,860	24	7	67	1	2	3	89	—	28	1	1	2	—	—	—	1	—	—	—	—	4	—	—	—	17	1	—	—	1	1	—	—	—	—	21	9	—	—	3	—	1	—	—	—	—	—	258	26
Area No. 8.																																																			
Seaham U.D.	25,650	12	—	261	5	3	5	18	—	17	1	—	4	2	1	1	3	—	1	—	—	—	1	1	—	2	—	—	—	—	—	—	1	—	1	24	13	—	—	6	3	5	—	—	1	—	—	352	40
Easington R.D.	82,520	42	1	208	7	2	8	226	—	68	14	2	8	7	10	1	—	—	—	—	—	29	6	1	1	37	24	—	—	—	—	—	—	12	3	48	33	5	4	4	4	4	—	—	—	—	—	696	123
Area No. 9.																																																			
Barnard Castle U.D. ...	4,870	2	—	—	—	—	—	4	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	—	—	—	—	—	1	—	—	—	—	—	11	1
Barnard Castle R.D. ...	19,020	8	3	92	—	—	—	14	—	25	1	—	1	—	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	—	—	—	1	—	3	—	—	—	—	—	158	7
Area No. 10.																																																			
Bishop Auckland U.D. ...	35,330	44	24	219	2	—	—	258	—	34	—	—	—	—	—	—	—	—	—	—	—	17	6	1	—	20	—	—	—	—	—	1	1	1	—	11	6	—	—	3	—	3	—	—	—	—	—	612	39
Shildon U.D.	14,310	12	12	155	—	—	—	14	—	21	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	4	5	—	—	—	—	2	2	—	—	—	—	210	21
Spennymoor U.D. ...	20,020	11	11	42	—	—	1	49	—	16	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	1	1	—	—	—	—	16	—	2	—	1	—	2	—	61	—	—	—	203	17
Area No. 11.																																																			
Hartlepool M.B.	16,940	3	—	129	—	—	—	397	—	1	—	1	—	—	—	—	—	—	—	—	—	6	—	—	—	3	—	—	—	—	—	—	—	—	—	16	6	2	1	6	2	1	—	—	—	—	—	565	9
Billingham U.D.	25,070	51	14	48	1	—	—	257	2	15	—	1	1	1	1	—	—	—	—	—	—	1	4	1	—	1	1	—	—	—	—	—	—	—	—	19	—	—	—	—	—	3	—	—	—	—	—	398	24
Darlington R.D.	16,230	14	1	43	—	—	1	79	—	—	—	1	2	1	1	—	—	—	—	—	—	7	—	—	—	—	—	—	—	—	—	—	—	1	—	10	7	—	—	1	—	—	—	—	1	—	—	157	13
Sedgefield R.D.	36,090	41	33	47	—	3	1	131	8	21	2	—	—	1	2	—	—	—	—	—	—	51	—	1	—	14	—	—	—	—	—	—	—	—	—	19	—	—	—	4	—	4	—	—	—	—	—	337	46
Stockton R.D.	8,770	9	—	19	—	—	—	23	—	9	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	64	1
Area No. 12.																																																			
Stockton M.B.	74,760	62	62	61	4	—	18	682	12	20	6	3	9	5	15	2	—	—	—	—	—	47	72	3	—	6	4	—	—	1	—	—	1	4	1	58	16	1	—	3	3	9	1	—	—	—	—	967	224
ADMINISTRATIVE COUNTY	910,690	741	325	2578	32	11	42	5585	29	716	132	30	43	60	62	19	18	—	2	—	—	487	130	13	1	136	42	—	—	14	15	1	7	153	16	805	373	24	18	98	31	91	10	61	3	8	—	11631	1331

Whooping Cough.—The number of cases (2,578) decreased by 1,266 but the deaths increased by 1 to 6 when compared with the previous year. All the deaths were of children under school age, 4 being under 1 year. The death-rate was 0.01 and the case mortality 0.23%.

Diphtheria.—Only 11 cases were confirmed compared with 15 in 1953. No deaths were registered.

Measles.—The number of cases, 5,585 showed a decrease of 2,877. Admissions to hospital numbered 29 and 2 deaths were recorded, a decrease of 6. The peak notification period was in the fourth quarter when there were 2,442 cases. In the first quarter only 292 cases were notified. The case rate was 6.1 per 1,000 population and the case mortality rate 0.03%.

Pneumonia.—Cases decreased from 961 in 1953 to 716 in 1954, but deaths increased from 240 to 289. Notifications were heaviest in the first and last quarter.

Meningococcal Infections.—During the year there were 30 cases and 11 deaths. In 1953 the figures were 43 cases and 7 deaths.

Acute Poliomyelitis.—An increase in the number of cases from 43 to 79 was recorded but the number of deaths (3) was the same as last year.

Acute Encephalitis.—Two infective cases were admitted to hospital and 6 deaths occurred.

Dysentery.—Fewer cases (487) occurred and there was no major outbreak.

Enteric or Typhoid Fever.—There was one case and no deaths compared with 3 cases and no deaths in the previous year.

Paratyphoid Fever.—There were 14 cases without any deaths compared with 9 cases (no deaths) last year.

Food Poisoning.—During the third quarter there were minor outbreaks in two areas (Blaydon Urban District, 23 cases), (Lanchester Rural District, 33 cases), and one death occurred. In all during the year there were 153 confirmed cases throughout the county.

Influenza.—The number of deaths registered was 25, equal to a death-rate of 0.03 per 1,000 population compared with 53 and a death-rate of 0.06 in 1953.

Diarrhoea and Enteritis (under 2 years of age).—The number of deaths registered (27) and the death-rate (0.03 per 1,000 population) were the same as last year. The rate per 1,000 live births registered was 1.72, compared with 1.68 in 1953.

Reimbursement of Notification Fees.—In accordance with the National Health Service Act, 1946, the County Council reimbursed £1,346 7s. 0d. to district councils for notifications of infectious diseases fees paid to medical practitioners. In 1953 the sum reimbursed was £2,049 13s. 0d.

TABLE 41.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Notifiable Diseases. Corrected number of cases, Admissions to Hospital and Deaths.

Diseases	Cases	Cases admitted to Hospital	Deaths
Scarlet Fever	741	325	—
Whooping Cough	2,578	32	6
Diphtheria	11	42	—
Measles	5,585	29	2
Pneumonia	716	132	289
Meningococcal Infections	30	43	11
Acute Poliomyelitis.—			
Paralytic	60	62	3
Non-Paralytic	19	18	
Acute Encephalitis.—			
Infective	—	2	6
Post-Infectious	—	—	
Ophthalmia Neonatorum	13	1	—
Puerperal Pyrexia	136	42	1
Smallpox	—	—	—
Para-Typhoid Fever	14	15	—
Enteric or Typhoid Fever ...	1	7	—
Erysipelas	91	10	—
Malaria	8	—	—

TABLE 42.

ADMINISTRATIVE COUNTY OF DURHAM.—Corrected number of cases of certain Infectious Diseases notified, 1945-1954.

	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	Mean of 10 years
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	1,413	1,450	2,059	2,652	1,658	1,393	1,303	1,739	1,426	741	1,583
Diphtheria	971	557	240	257	130	83	28	21	15	11	231
Enteric and Para-Typhoid Fevers ...	15	25	25	6	63	17	24	18	12	15	22
Puerperal Pyrexia ...	73	71	75	72	54	50	56	107	112	136	81
Erysipelas	254	219	197	278	176	184	86	113	113	91	171
TOTALS ...	2,726	2,322	2,596	3,265	2,081	1,727	1,497	1,998	1,678	994	2,088
Attack Rate per 1,000 Living ...	3.3	2.7	2.9	3.7	2.3	1.9	1.7	2.2	1.9	1.1	2.4

TABLE 43.

ADMINISTRATIVE COUNTY OF DURHAM.—Deaths and Death-rate from the seven principal Infective Diseases, 1945 to 1954.

	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	Mean of 10 years
Estimated Population	828,340	863,530	870,380	889,597	903,030	908,333	898,600	899,800	906,500	910,690	887,880
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	1	4	6	2	1	—	—	2	—	—	2
Diphtheria	33	17	8	6	4	4	1	1	—	—	7
Enteric Fever... ...	5	1	—	—	—	—	—	1	—	—	1
Measles	22	14	17	15	3	13	6	11	8	2	11
Whooping Cough ...	7	25	18	14	17	12	9	8	5	6	12
Diarrhoea & Enteritis under 2 years ...	94	81	122	61	76	45	32	24	27	27	59
TOTAL DEATHS ...	162	142	171	98	101	74	48	47	40	35	92
Deaths per 1,000 Population	0.20	0.16	0.20	0.11	0.11	0.08	0.05	0.05	0.04	0.04	0.10

VENEREAL DISEASES.

The treatment and diagnosis of venereal disease is not now the responsibility of the County Council and the figures in Table 44 have been compiled from returns received from various authorities.

During the year the following visits were made by the Social Worker.—

Patients who have defaulted from treatment	404
Contact tracing visits	51
Patients referred from ante-natal clinics ...	6
Miscellaneous visits	36—497

At the request of the South Shields County Borough Council the contact tracing in this Borough is undertaken by the County Council Social Worker and these figures include 19 defaulter and 24 contact visits made in South Shields County Borough.

TABLE 44.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Numbers of Venereal Diseases patients treated for the first time.

	Treatment Centres.									
	Durham County Hospital	Stockton and Thor'by Hospital	New-castle General Hospital	South Shields Clinic	Royal Infirm. Sunder-land	General Hospital West H'pool	Green-bank Hospital Dar'ton	General Hospital Middles-brough	Royal Infirm. Don-caster	Total
Syphilis	18	8	32	2	16	7	4	4	—	91
Gonorrhoea ...	11	16	61	16	19	—	1	11	—	135
Other Conditons	60	70	269	44	148	13	35	45	1	685
Totals ...	89	94	362	62	183	20	40	60	1	911

TABLE 46.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Deaths from cancer showing the organs affected, sex and age periods.

District.	Deaths at subjoined ages.					Buccal Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory System		Uterus	Other Female Genital Organs	Breast		Male Genital Organs	Urinary Organs		Skin (Scrotum excepted)		Brain and other parts of the Nervous System		Other or Unspecified Organs		TOTALS	
	0-25	25-45	45-65	65-75	75 & Up	M	F	M	F	M	F			M	F		M	F	M	F	M	F	M	F	M	F
Area No. 1.																										
Blaydon U.D.	1	6	21	15	16	1	—	16	10	8	2	4	2	—	6	2	—	1	—	—	—	—	3	4	30	29
Ryton U.D.	1	1	9	12	9	1	1	8	5	3	2	1	1	—	2	1	3	—	—	—	1	—	1	2	18	14
Whickham U.D.	1	1	26	16	9	—	—	16	14	3	—	6	1	—	3	4	2	1	—	—	1	—	1	1	27	26
Area No. 2.																										
Jarrow M.B.	1	5	26	16	12	1	1	16	8	10	3	7	2	—	5	2	—	2	—	—	—	—	2	1	31	29
Felling U.D.	2	4	18	23	10	—	1	8	21	2	—	5	1	—	7	4	1	1	—	—	2	—	3	1	20	37
Hebburn U.D.	2	1	19	13	10	2	1	7	9	11	3	2	1	—	2	1	1	—	—	—	—	—	5	—	27	18
Area No. 3.																										
Consett U.D.	2	5	31	21	21	3	1	21	15	7	1	6	2	—	7	5	5	1	—	—	1	1	4	—	46	34
Stanley U.D.	—	7	35	34	30	1	—	37	20	10	3	6	2	—	10	9	1	—	1	1	—	1	2	2	61	45
Lanchester R.D.	—	—	15	14	4	1	—	6	8	4	—	—	4	—	4	2	1	—	—	1	—	—	1	1	15	18
Area No. 4.																										
Chester-le-Street U.D. ...	—	3	13	8	9	1	—	11	5	3	—	3	—	—	4	1	2	—	1	—	1	—	—	1	20	13
Chester-le-Street R.D. ...	1	4	48	23	18	3	2	19	23	16	—	1	3	—	10	1	1	—	1	—	—	—	7	7	48	46
Area No. 5.																										
Boldon U.D.	—	1	12	13	12	—	—	9	8	5	—	4	—	—	5	1	2	—	—	—	—	1	2	1	19	19
Hetton U.D.	1	5	10	16	10	1	1	8	14	6	—	6	—	—	1	—	1	—	—	1	—	—	1	2	17	25
Houghton-le-Spring U.D.	—	3	22	18	19	3	1	19	11	5	2	4	—	—	5	4	3	1	—	1	—	—	2	1	36	26
Washington U.D.	2	3	17	11	6	—	1	9	9	4	3	1	3	—	1	3	1	—	1	—	—	—	2	1	20	19
Sunderland R.D.	2	3	19	13	16	1	2	9	14	5	2	4	—	—	7	2	4	2	—	—	—	—	1	—	22	31
Area No. 6.																										
Crook & Willington U.D...	1	1	16	20	16	—	—	14	21	3	1	—	—	—	2	2	—	3	3	1	1	—	—	3	23	31
Tow Law U.D.	—	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	2	—
Weardale R.D.	—	—	8	17	6	1	—	9	5	6	1	—	1	—	2	2	1	1	—	—	—	—	2	—	21	10
Area No. 7.																										
Durham M.B.	—	5	12	13	9	—	1	9	8	3	1	2	—	—	3	3	2	—	1	1	1	—	1	3	20	19
Brandon & Byshottles U.D.	1	1	19	12	9	2	—	17	9	3	—	1	2	—	3	2	—	—	—	—	—	1	1	1	25	17
Durham R.D.	2	1	14	35	21	—	—	19	27	9	2	3	2	—	3	1	1	—	—	—	—	2	3	1	33	40
Area No. 8.																										
Seaham U.D.	—	5	15	16	11	3	1	15	3	6	1	1	2	—	4	4	1	—	1	1	—	2	1	1	31	16
Easington R.D.	4	10	48	41	43	4	1	45	28	18	2	6	5	1	11	5	3	1	—	—	—	2	6	8	82	64
Area No. 9.																										
Barnard Castle U.D. ...	—	1	1	7	5	—	—	5	3	—	—	1	—	—	1	1	—	1	—	—	—	—	1	1	7	7
Barnard Castle R.D. ..	—	1	13	11	6	—	1	9	10	2	—	3	1	—	2	—	1	1	—	—	—	—	—	1	12	19
Area No. 10.																										
Bishop Auckland U.D. ...	1	3	30	27	18	—	—	15	17	13	2	6	1	—	6	5	3	2	—	1	—	1	2	5	38	41
Shildon U.D.	1	4	10	10	7	1	1	8	5	6	1	1	1	—	2	—	1	1	—	—	1	—	2	1	19	13
Spennymoor U.D. ..	—	2	25	8	14	1	—	15	10	7	1	—	1	—	6	2	—	1	—	—	—	1	4	—	29	20
Area No. 11.																										
Hartlepool M.B.	1	—	10	19	7	2	—	9	6	6	2	1	—	—	3	2	1	—	—	—	1	—	1	3	22	15
Billingham U.D.	2	6	28	10	6	—	—	16	7	7	—	4	—	—	8	1	2	—	—	—	1	1	3	2	30	22
Darlington R.D.	1	—	8	6	4	1	—	6	3	4	—	2	—	—	1	—	—	—	—	—	—	1	—	1	11	8
Sedgefield R.D.	—	6	26	24	20	2	—	19	17	7	1	4	2	—	5	3	3	1	—	—	1	1	6	4	41	35
Stockton R.D.	—	1	6	2	5	1	—	3	3	3	—	—	—	—	1	—	2	—	—	—	—	—	1	—	10	4
Area No. 12.																										
Stockton M.B.	—	14	60	52	25	3	2	37	30	23	12	8	—	—	11	3	6	1	—	—	1	2	6	6	79	72
ADMINISTRATIVE COUNTY ...	30	113	691	596	444	41	19	489	406	228	48	103	40	1	153	78	56	22	9	8	13	17	77	60	992	882

CANCER.

Table 45 gives comparative statistics in respect of cancer mortality for this administrative county and England and Wales for the past ten years. Table 46 gives the number of cancer deaths in each sanitary district during 1954 tabulated to show the organs affected together with the sex and age periods.

TABLE 45.

Year	Durham County.		England and Wales.	
	Deaths	Death-rate	Deaths	Death-rate
1945	1,449	1.75	74,291	1.95
1946	1,421	1.65	75,748	1.86
1947	1,475	1.69	77,832	1.85
1948	1,518	1.71	79,528	1.86
1949	1,606	1.78	80,713	1.85
1950	1,615	1.78	82,721	1.89
1951	1,687	1.88	83,341	1.90
1952	1,693	1.88	87,642	1.99
1953	1,737	1.92	87,924	1.99
1954	1,874	2.06	*90,099	*2.04

* Provisional

MILK (SPECIAL DESIGNATIONS) (PASTEURISED AND STERILISED MILK) REGULATIONS, 1949.

Until November of this year there were eight plants processing milk in the county, all of which were authorised to use the special designations "Pasteurised" and "Tuberculin Tested (Pasteurised)" while one dairy holds an additional licence for the sterilising of milk. Two dairies, Houghton Dairymen's Association Dairy and Vicarage Farm Dairy, ceased processing milk in November, for reasons of economy. Both dairies continue to sell by retail as previously, the processing of milk now being carried out by larger dairies in the county. Although all these plants are frequently inspected, difficulty has been experienced in maintaining a reasonable standard in some due to congestion.

In 1953 the Sunderland and District Creamery received a licence to sterilise milk and as the demand has now been established, plans for a new dairy for sterilised milk only have been considered and approved. It is anticipated that building will commence early in 1955.

Rebuilding and alterations at the North West Durham Cooperative Dairies were completed, and the plant reopened in August. The "High-Temperature-Short-Time" method of processing now replaces the batch method and the layout of the dairy is of a satisfactory standard.

Applications from dairy managers for permission to bottle orange juice in dairies have been refused.

Specification of Areas. Food and Drugs (Milk, Dairies and Artificial Cream Act, 1950).—At the request of the Minister of Food consideration has been given to Draft Orders specifying certain areas named therein, as follows.—

Area 1. Durham Municipal Borough.

The urban districts of Bishop Auckland, Brandon & Byshottles, Crook & Willington, Shildon and Spennymoor.

That part of the rural district of Durham which comprises the parish of Brancepeth.

No objections were offered to these proposals as they affected the administrative area and the Milk (Special Designations) (Specified Areas) (No. 2) Order, 1954, came into force on 1st October.

All proposed sources of new supplies to schools and school camps have been investigated, and where satisfactory, added to the approved list. Routine samples continue to be taken of milk delivered to schools and also milk produced at hospital farms.

At the request of the Durham Hospital Management Committee routine samples are taken of milk delivered to hospitals.

Details of the results of all examinations of samples of milk are given in Table 47.

With a view to implementing the provisions of Section 8 of the Food and Drugs (Milk, Dairies and Artificial Cream) Act, 1950, samples of milk are being obtained and submitted for biological analysis. The results of 268 samples have been received, all of which are satisfactory.

The Chief Inspector of Weights & Measures reported that nine samples of milk were found to be either deficient in milk fat or showed evidence of added water. It was decided that seven cases were suitable to be taken before the Justices, and the other two were referred to the Agricultural Advisory Service.

TABLE 47.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Results of examination of samples of raw and pasteurised milk collected by officers of the County Health Department.

		Methylene Blue Test				*Phosphatase Test*			*Biological Test for Tuberculosis, etc.*					*Turbidity Test*		
	No. of samples taken	Passed	Failed	Inconclusive	% Failed	Passed	Failed	% Failed	No. of samples taken	Negative	Positive	Inconclusive	% Positive	Passed	Failed	% Failed
Pasteurised Milk																
(*a*) Dairies ...	393	386	3	4	0.76	392	1	0.25	31	31	—	—	—	—	—	—
(*b*) Schools ...	318	316	—	2	—	318	—	—	24	24	—	—	—	—	—	—
(*c*) Hospitals	80	74	2	4	2.5	80	—	—	—	—	—	—	—	—	—	—
	791	776	5	10	0.63	790	1	0.13	55	55	—	—	—	—	—	—
Raw Milk																
(*a*) Farms ...	143	140	3	—	2.1	—	—	—	49	49	—	—	—	—	—	—
(*b*) Schools ...	18	8	10	—	55.6	—	—	—	5	5	—	—	—	—	—	—
	161	148	13	—	8.07	—	—	—	54	54	—	—	—	—	—	—
Sterilised Milk ...	51	—	—	—	—	—	—	—	1	1	—	—	—	51	—	—
TOTALS ...	1,003	924	18	10	1.79	790	1	0.13	110	110	—	—	—	51	—	—

FOOD AND DRUGS ACT.

During the year 1,858 samples were analysed with the following results.—

No. of samples found to be genuine	1,808
No. of genuine samples below standard	2
No. of samples of doubtful quality	—
No. of samples of abnormal quality	—
No. of samples adulterated or below standard ...	37
No. of samples taken as Reference Samples	1
No. of samples taken as Appeal Samples	10
Percentage of milk samples found to be not genuine or below standard	2.03%

WATER SUPPLIES.

During the year water supplies throughout the county were generally satisfactory. Copies of results of analyses of samples taken by local authorities are received by me and where necessary further investigations are carried out. Of 942 samples taken 124 were classified as unsatisfactory. These unsatisfactory samples were generally from individual supplies to isolated farms or dwellings. Routine samples of supplies to schools, kitchens, dairies and similar establishments continue to be taken.

The Sunderland & South Shields Water Company brought into use the new Burnhope filtration plant at Wearhead, which will treat up to seven million gallons of water per day. This treated water is mixed, where practicable, with the hard water obtained from well supplies in the eastern part of the Company's area, a practice appreciated by the consumers.

The Durham County Water Board has been actively engaged on the construction of seven reinforced concrete service reservoirs to improve supplies in various areas, and secondary chlorination has been installed at six large open service reservoirs.

A report of a case of poliomyelitis at Startforth school having been received from the County Medical Officer, North Riding of Yorkshire, together with an adverse result of a sample of water taken from this school, an investigation of the supply was made. Although Startforth school is in the North Riding, the water supply (from springs and a bore hole in the Keld Moor area of the North Riding), is owned by the Barnard Castle Urban District Council, and supplies isolated properties as well as Barnard Castle. Samples were obtained from the springs and the bore hole, and with the exception of one spring sample which showed a small number of B. Coli. to be present, the results were satisfactory.

During the summer the results of samples taken in the Middleton-in-Teesdale, Woodland, Streatlam and Stainton areas showed the supplies to be unsatisfactory but a subsequent improvement made special precautions unnecessary.

Results of samples taken in the Aycliffe, Walworth and Heighington areas showed the supply to be unsatisfactory, and arrangements were made for simultaneous samples to be taken outside the rural district on the line of supply. These all proved satisfactory with one exception and at the end of the year the matter was still being investigated.

Complaints having been received regarding the water supply to a part of Penshaw remedial works were carried out by the district council. Samples taken from schools in that area proved satisfactory.

Egglestone.—The scheme to provide a supply of water to Egglestone, which was considered last year, was the subject of investigation by M. W. Summers, Esq., Engineering Inspector of the Ministry of Housing and Local Government, on 14th December. Amended plans for a permanent scheme are to be prepared and submitted for consideration.

Urlay Nook.—Consideration has been given to an application from the Stockton Rural District Council for a grant under the Rural Water Supplies & Sewerage Act, 1944, in respect of the provision of some 670 yards of 4″ main, estimated to cost £1,614. This scheme would provide a satisfactory supply to five existing houses, the mains supply to which is inadequate, and would also supply five agricultural properties at present only having well or spring supplies. The scheme is considered necessary.

DRAINAGE, SEWERAGE AND SEWAGE DISPOSAL.

Routine inspections of existing disposal works and those under construction continue to be made. A number of schemes to replace overloaded and defective works, and to enable the continued development of housing estates, have been submitted by local authorities for consideration. Investigations have been carried out in each case and appropriate recommendations have been made.

Sewage Disposal Works and Pumping Station, Washington Urban District.—Consideration was given to a further proposed site and the necessary observations made.

Brandon and Deerness Main Drainage.—This scheme, previously considered by the County Council, was the subject of a public inquiry by F. H. Seabrooke, Esq., Inspector of the Ministry of Housing and Local Government, at Langley Moor, on the 2nd February, when an application by the district council for consent to borrow the sum of £214,407 for works of sewerage and sewage disposal was considered. Objections were raised by representatives of Lanchester Rural District Council, the Duke of Westminster's Estate Agent, and National Coal Board officials, as they had not been fully informed of the proposals. The Inspector decided that the proposals should be made available to the objectors and a further meeting arranged. Alternative schemes were then submitted by the Consultants for consideration. On the following day the Inspector made a tour of inspection of the area and his findings are awaited.

Sewage Disposal Works—Chester-le-Street Urban District.—The proposed extension is now considered necessary and should prove satisfactory.

Ingleton Sewerage and Sewage Disposal Scheme, Barnard Castle.—This scheme is to provide new disposal works giving full treatment to all drainage from the village. The existing method of disposal is through two or more tanks, the effluent discharging on to land, and is unsatisfactory. The estimated cost is £9,400 and the scheme is considered necessary.

Weardale Rural District.—An application was received from the district council for a grant under the Rural Water Supplies and Sewerage Act, 1944, or Section 307 of the Public Health Act, 1936, towards the cost of the following schemes, the estimated total cost being £23,180.—

Edmundbyers	£6,400
Rookhope	£8,500
Hunstanworth	£4,600
Thornley	£3,680

These schemes were investigated and considered necessary.

Aycliffe Sewerage and Sewage Disposal Scheme.—An inspection of part of this scheme was carried out by Mr. V. D. Joll, Engineering Inspector of the Ministry of Housing and Local Government, on 6th May. Due mainly to the type of labour available the contract has not been completed as anticipated. Some of the contractor's work was not carried out to the satisfaction of the district council and certain equipment and fittings require further attention before the scheme can be put into operation.

Hummerbeck Drainage—Parish of Etherley.—An application for a grant under the Rural Water Supplies and Sewerage Acts, 1944-51, towards the cost of a proposed sewerage scheme, was received from the district council. The scheme provides for 6 in. gravity sewers, a 4 in. rising main with pump house, the sewage being discharged into the head of a gravity sewer in the Bishop Auckland Urban District and is estimated to cost £3,923. The existing drainage is inadequate and the proposed scheme is considered satisfactory though not falling within the scope of Section 1 (1) of the Act with regard to the grant.

Staindrop Sewerage and Sewage Disposal Works.—Notification of inspection of these works on 14th July was received. As this scheme was completed in October 1951, some explanation of an inspection at such a late date was anticipated. The Minister's Inspector stated that the meeting was primarily required to inquire into the excess cost of the scheme for which an additional grant had been requested by the rural district council. The scheme (started in January, 1949, estimated completion April, 1950, actual completion October, 1951), was estimated to cost £34,500, the actual cost being £45,207. Careful consideration was given to working conditions at that time and the reasons for certain increases as submitted by the consulting engineers. After considering all the circumstances the Minister decided not to vary his original decision.

Etherley. Proposed new sewer.—An application for a contribution under the Rural Water Supplies & Sewerage Acts, 1944 and 1951, and Section 307 of the Public Health Act, 1936, has been submitted by the district council for the laying of some 1,600 lineal yards of sewer, costing £7,060, to connect an existing sewer in Etherley, to the head of a sewer in the Bishop Auckland Urban District in Etherley Lane. At present the whole of the sewage from High Etherley is, by agreement, treated at the Witton Park works of the Bishop Auckland Urban District Council. These works have been overloaded for some time and the urban district council have now had to refuse permission for any further connections to the system. The scheme is suitable and necessary but does not qualify for grant under the Rural Water Supplies & Sewerage Acts, 1944 and 1951.

Copeland Row. Sewerage and Sewage Disposal Scheme.—An application for a contribution under the Rural Water Supplies and Sewerage Acts, 1944 and 1951, has been submitted by the district council in respect of the laying of a 6″ gravity sewer in Copeland Row, the sewage then being pumped to the gravity sewer in Evenwood Village —estimated cost £5,200. Some 35 houses, comprising 25 houses in Copeland Row and 10 in Manor Street, will benefit by this proposal, but having regard to the age and class of this property it is considered that the high cost of the scheme could be justified only if the local authority is assured of obtaining ownership of the houses, with the consequent carrying out of a scheme of improvement. This scheme does not qualify for grant under the Rural Water Supplies and Sewerage Acts, 1944 and 1951.

Middleton-in-Teesdale. Sewerage and Sewage Disposal Scheme.—An inspection of this scheme was carried out by E. L. Everatt, Esq., O.B.E., M.I.C.E., Engineering Inspector of the Ministry of Housing and Local Government, on 24th November. The scheme, which commenced on 12th October, 1953, was expected to be finished in January, 1955, but due to adverse site conditions, the anticipated final date was 31st March, 1955. The work, and the proposed expenditure, were considered satisfactory.

Darlington Rural District.—An application was received from the district council for a grant under the Rural Water Supplies and Sewerage Acts, 1944 and 1951, towards the cost of the following schemes, the estimated total being £77,512.—

Bishopton	£10,388
Great Burdon	£4,124
Middleton-St.-George	£63,000

These schemes were investigated and considered necessary.

RURAL WATER SUPPLIES AND SEWERAGE ACT, 1944.

In connection with Section 2 (2) of the above Act, the following schemes were approved by the County Council during the year.—

		Estimated Cost. £	s.	d.
(*a*)	Darlington Rural District Sewage Disposal Scheme—Aycliffe	10,750	0	0
(*b*)	Barnard Castle Rural District Water Supply—Etherley (Bildershaw)	4,650	0	0
(*c*)	Barnard Castle Rural District Sewage Disposal Scheme—Middleton in Teesdale	36,000	0	0

CLOSET ACCOMMODATION.

The following table gives the number and type of convenience in each sanitary district of the county at the end of 1954. In addition information is given in the table as to the conversions of ashpit privies and ash-closets into water-closets during the year.

TABLE 48.

Districts	Total number in District			Ashpit Privies converted into Water-Closets	Ash Closets converted into Water-Closets
	Water-Closets	Ash-Closets	Ashpit Privies		
Area No. 1.					
Blaydon U.D.	11,130	273	36	4	11
Ryton U.D.	4,645	103	19	—	1
Whickham U.D.	7,351	4	92	2	—
Area No. 2.					
Jarrow M.B.	10,538	—	—	—	3
Felling U.D.	8,186	26	—	—	—
Hebburn U.D.	7,169	—	—	—	—
Area No. 3.					
Consett U.D.	12,766	139	40	—	1
		709		81	
Stanley U.D.	14,029				
Lanchester R.D.	4,306	179	169	1	1
Area No. 4.					
Chester-le-Street U.D. ...	5,199	183	—	—	24
Chester-le-Street R.D. ...	11,643	692	—	65	—
Area No. 5.					
Boldon U.D.	6,354	60	—	—	5
Hetton U.D.	5,808	164	17	—	28
Houghton-le-Spring U.D.	9,728	20	2	—	—
Washington U.D.	6,360	2	7	—	—
Sunderland R.D.	7,648	—	131	—	—
Area No. 6.					
Crook & Willington U.D.	5,900	3,483	71	—	127
Tow Law U.D.	352	552	—	—	14
Weardale R.D.	1,835	777	240	—	10
Area No. 7					
Durham M.B.	6,656	16	15	—	1
Brandon & Byshottles U.D.	4,966	1,625	6	28	73
Durham R.D.	10,074	648	60	—	34
Area No. 8.					
Seaham U.D.	8,547	53	6	2	—
Easington R.D.	25,067	111	72	—	—
Area No. 9.					
Barnard Castle U.D. ...	1,982	11	1	1	—
				139	
Barnard Castle R.D. ...	3,683	2,411	26		
Area No. 10.					
Bishop Auckland U.D. ...	9,543	2,989	182	6	421
Shildon U.D.	4,197	—	410	4	—
Spennymoor U.D. ...	4,822	1,516	47	—	802
Area No. 11.					
Hartlepool M.B.	*—	17	3	—	—
Billingham U.D.	7,850	4	33	—	—
		843			
Darlington R.D.	4,148			4	23
Sedgefield R.D.	11,875	352	30	10	11
				233	
Stockton R.D.	3,512	140	—		
Area No. 12.					
Stockton M.B.	28,005	—	—	—	—

* information not available.

HOUSING.

Table No. 49.

Statement as to the position of Housing in the Administrative County of Durham on the 31st December, 1954. (Figures supplied by District Councils).

Districts.	Houses Erected By			Total No. of Inhabited Houses in District
	Local Authority	Any Other Housing Authority	Private Persons	
Area No. 1.				
Blaydon U.D. ...	63	4	24	9,467
Ryton U.D.	103	—	17	4,414
Whickham U.D. ...	99	—	142	7,083
Area No. 2.				
Jarrow M.B. ...	251	—	12	9,432
Felling U.D. ...	370	—	24	7,755
Hebburn U.D. ...	237	—	10	7,385
Area No. 3.				
Consett U.D. ...	170	—	35	11,457
Stanley U.D. ...	230	—	9	14,460
Lanchester R.D. ...	145	—	14	4,378
Area No. 4.				
Chester-le-St. U.D.	110	—	10	5,578
Chester-le-St. R.D.	276	—	17	12,102
Area No. 5.				
Boldon U.D. ...	104	—	77	5,952
Hetton U.D. ...	99	—	3	6,041
Houghton-le-Sp.U.D.	180	1	8	9,718
Washington U.D. ...	156	—	14	5,360
Sunderland R.D. ...	280	—	19	8,033
Area No. 6.				
Crook & Willington U.D.	111	—	6	9,104
Tow Law U.D. ...	—	—	—	1,006
Weardale R.D. ...	30	—	5	3,088
Area No. 7.				
Durham M.B. ...	93	—	29	5,829
Brandon & Byshottles U.D.	148	—	6	6,290
Durham R.D. ...	265	92	15	10,486
Area No. 8.				
Seaham U.D. ...	172	—	53	7,580
Easington R.D. ...	152	381	23	24,580
Area No. 9.				
Barnard Castle U.D.	—	47	9	56
Barnard Castle R.D.	148	3	12	5,985
Area No. 10.				
Bp. Auckland U.D.	122	8	11	10,981
Shildon U.D. ...	86	—	11	4,652
Spennymoor U.D. ...	60	—	5	6,030
Area No. 11.				
Hartlepool M.B. ...	144	—	—	4,903
Billingham U.D. ...	545	—	23	7,648
Darlington R.D. ...	19	566	28	4,935
Sedgefield R.D. ...	386	—	9	10,447
Stockton R.D. ...	52	—	32	3,652
Area No. 12.				
Stockton M.B. ...	710	—	150	21,901
Total	6,116	1,102	862	277,768

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE A.

ADMINISTRATIVE COUNTY OF DURHAM, 1954.—Deaths by causes at various age periods.

	All Ages	Under 1 week	Under 1 mth	1—3 mths	3—6 mths	6—9 mths	9—12 mths	Under 1 Year	1—2 yrs	2—5 yrs	5—15 yrs	15—25 yrs	25—45 yrs	45—65 yrs	65—75 yrs	75 & Upw.
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	2	—	—	—	—	1	1	2	—	—	—	—	—	—	—	—
Whooping Cough	6	—	—	1	1	1	1	4	1	1	—	—	—	—	—	—
Diarrhoea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteritis	33	1	3	8	7	6	—	25	2	—	—	—	1	2	3	—
Cerebro-Spinal Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	6	—	—	—	—	—	—	—	—	—	—	1	1	2	2	—
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza	25	—	—	1	—	—	—	1	—	—	1	1	3	13	6	—
Cancer	1,874	1	—	1	1	—	—	3	—	4	11	12	113	691	596	444
Rheumatic Fever	13	—	—	—	—	—	—	—	—	1	2	4	6	—	—	—
Appendicitis	18	—	—	—	—	—	—	—	—	3	2	1	—	5	4	3
Other Septic Diseases	48	—	2	3	1	1	2	9	2	2	1	1	7	13	13	—
Phthisis	176	—	—	—	—	—	—	—	1	1	—	6	69	72	24	3
Tuberculous Meningitis	2	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—
Abdominal Tuberculosis	3	—	—	—	—	—	—	—	—	—	—	—	1	2	—	—
Other Tuberculous Diseases	10	—	—	—	—	—	—	—	—	—	—	—	1	7	—	2
Bronchitis	76	—	—	1	2	1	1	5	1	1	—	—	2	31	36	—
Broncho-Pneumonia	218	1	5	9	22	10	2	49	2	2	4	4	7	57	93	—
Lobar Pneumonia	50	—	—	—	—	—	—	—	1	—	—	—	4	23	22	—
Pneumonia (All other forms)	21	2	—	1	4	1	2	10	—	—	—	1	1	1	8	—
Pleurisy	3	—	—	—	—	—	—	—	—	—	—	—	—	1	2	—
Other Diseases of Respiratory Organs	180	—	—	—	—	—	—	—	—	2	2	3	15	106	51	1
Alcoholism	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cirrhosis of Liver	27	—	—	—	—	—	—	—	—	—	—	1	3	14	9	—
Nephritis and Bright's Disease	152	—	—	—	—	—	—	—	1	1	1	10	27	56	55	1
Puerperal Sepsis	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—
Other Diseases of Pregnancy, Childbirth and the Puerperal State	13	—	—	—	—	—	—	—	—	—	—	1	12	—	—	—
Congenital Malformation	87	37	17	14	5	7	1	81	2	3	1	—	—	—	—	—
Premature Birth	184	166	13	5	—	—	—	184	—	—	—	—	—	—	—	—
Congenital Debility	19	11	6	—	1	1	—	19	—	—	—	—	—	—	—	—
Marasmus, Atrophy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Injury at Birth	27	24	3	—	—	—	—	27	—	—	—	—	—	—	—	—
Atelectasis	33	32	—	—	1	—	—	33	—	—	—	—	—	—	—	—
Meningitis (not Tuberculous)	11	—	1	—	1	—	—	2	2	3	1	—	—	3	—	—
Convulsions	8	—	1	—	3	2	1	7	1	—	—	—	—	—	—	—
Gastritis	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Syphilis	11	—	—	—	—	—	—	—	—	—	—	—	1	6	2	2
Organic Heart Disease	942	—	—	1	—	1	1	3	—	2	5	7	74	376	475	—
Violent or Accidental Death excluding Suicide	285	6	1	3	4	1	—	15	2	9	16	35	67	65	43	33
Suffocation Overlaying	2	—	—	—	2	—	—	2	—	—	—	—	—	—	—	—
Burns and Scalds	5	—	—	—	—	—	—	—	—	3	2	—	—	—	—	—
Suicide	79	—	—	—	—	—	—	—	—	—	—	1	24	40	8	6
Arterio-Sclerosis	1,807	—	—	—	—	—	—	—	—	—	—	—	38	654	1115	—
Senility	3,265	—	—	—	—	—	—	—	—	—	—	—	—	1	14	3250
Cerebral Haemorrhage	236	—	—	—	—	—	—	—	—	1	1	3	19	99	113	—
Other Defined Diseases	496	—	1	—	2	—	—	3	4	4	4	13	65	221	172	10
Diseases ill-defined or unknown	2	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—
TOTAL	10,457	281	53	48	57	33	12	484	22	43	54	107	562	2561	2869	3755

TABLE B.

POPULATION, BIRTH-RATE, DEATH-RATE, ETC., WITHIN THE ADMINISTRATIVE COUNTY OF DURHAM—1954.

DISTRICTS	Medical Officer of Health	Area in Acres	Registrar General's estimated Resident Population 1954	Live Births	Still Births	Deaths	Birth-rate	Death-rate	Death-rate from seven Principal Infective Diseases	Infant Mortality-rate per 1,000 Births	Phthisis Death-rate	Total Tuberculosis Death-rate	Lung Diseases Death-rate	Deaths occurring outside District included	Deaths occurring within District excluded
Area No. 1.															
Blaydon U.D.	H. Russell, M.B., B.S., B.Hy., D.P.H. ...	9,235	30,360	500	11	344	16.5	11.3	—	26	0.20	0.20	0.43	119	10
Ryton U.D.	H. E. Dunstan, M.B., B.S., M.R.C.S., L.R.C.P.	5,145	13,710	202	4	164	14.7	12.0	—	20	0.58	0.58	0.36	38	14
Whickham U.D.	T. L. Kelly, M.B., B.S. (Acting)	6,074	22,870	331	4	262	14.5	11.5	0.04	33	0.04	0.09	0.13	84	58
		20,454	66,940	1,033	19	770	15.4	11.5	0.01	27	0.22	0.24	0.31	241	82
Area No. 2															
Jarrow M.B.	J. A. W. Reid, M.B., Ch.B., D.P.H. ...	1,697	29,100	640	16	327	22.0	11.2	0.07	28	0.38	0.41	0.48	117	6
Felling U.D.	Do.	3,259	25,840	418	15	284	16.2	11.0	—	22	0.19	0.19	0.12	89	4
Hebburn U.D.	Do.	1,554	23,480	466	16	241	19.9	10.3	0.09	39	0.21	0.21	0.55	94	10
		6,510	78,420	1,524	47	852	19.4	10.9	0.05	30	0.27	0.28	0.38	300	20
Area No. 3.															
Consett U.D.	S. Ludkin, M.B., B.S., D.P.H.	10,042	38,830	587	15	478	15.1	12.3	0.05	32	0.28	0.31	0.39	61	265
Stanley U.D.	Do.	12,659	48,020	728	16	544	15.2	11.3	0.04	26	0.10	0.10	0.44	205	10
Lanchester R.D.	Do.	44,243	15,100	220	7	185	14.6	12.3	0.07	36	0.07	0.07	0.46	57	146
		66,944	101,950	1,535	38	1,207	15.1	11.9	0.05	30	0.17	0.18	0.42	323	421
Area No. 4.															
Chester-le-Street U.D. ...	J. L. Siddle, M.B., B.S., D.P.H.	2,656	18,380	310	9	210	16.9	11.4	0.11	35	0.11	0.16	0.54	33	235
Chester-le-Street R.D. ...	Do.	22,223	41,110	658	13	459	16.0	11.2	0.05	35	0.17	0.17	0.29	216	6
		24,879	59,490	968	22	669	16.3	11.2	0.07	35	0.15	0.17	0.37	249	241
Area No. 5.															
Boldon U.D.	R. C. F. Smith, M.D., D.P.H.	7,640	17,600	331	4	200	18.8	11.4	—	30	0.28	0.28	0.23	71	5
Hetton U.D.	Lilian A. M. Johnston, B.Sc., M.B., Ch.B., D.P.H.	4,551	18,410	310	7	228	16.9	12.4	0.11	45	0.11	0.16	0.22	65	6
Houghton-le-Spring U.D.	Do.	5,026	30,950	544	14	365	17.6	11.8	0.03	33	0.23	0.23	0.29	136	5
Washington U.D.	Do.	5,758	17,730	312	9	203	17.6	11.5	—	16	0.06	0.11	0.73	77	1
Sunderland R.D.	R. C. F. Smith, M.D., D.P.H.	6,734	26,000	512	12	377	19.7	14.5	0.04	43	0.38	0.42	0.81	98	146
		29,709	110,690	2,009	46	1,373	18.2	12.4	0.04	34	0.23	0.25	0.46	447	163
Area No. 6.															
Crook & Willington U.D. ...	G. A. Macgregor, M.D., D.P.H.	15,476	27,120	380	11	359	14.0	13.2	0.04	42	0.04	0.04	0.37	90	11
Tow Law U.D.	Do.	477	3,150	48	3	36	15.2	11.4	—	21	—	—	—	9	—
Weardale R.D.	Do.	99,513	9,100	109	1	149	12.0	16.4	—	18	0.11	0.11	0.66	45	12
		115,466	39,370	537	15	544	13.6	13.8	0.03	35	0.05	0.05	0.41	144	23
Area No. 7.															
Durham M.B.	R. G. Drummond, M.B., Ch.B., D.P.H. ...	4,048	19,5[illegible]0	287	5	232	14.7	11.9	0.15	45	0.15	0.15	0.20	24	311
Brandon & Byshottles U.D.	Do.	8,224	19,810	337	6	224	17.0	11.3	0.10	33	0.15	0.15	0.56	64	4
Durham R.D.	Do.	34,598	34,860	602	15	394	17.3	11.3	—	30	0.20	0.20	0.43	146	13
		46,870	74,250	1,226	26	850	16.5	11.5	0.07	34	0.18	0.18	0.40	234	328
Area No. 8.															
Seaham U.D.	J. W. A. Rodgers, M.B., B.Ch., D.P.H. ..	2,469	25,650	483	8	250	18.8	9.7	—	21	0.27	0.31	0.23	110	5
Easington R.D.	Do.	34,653	82,520	1,481	43	828	18.0	10.0	0.02	26	0.16	0.16	0.33	301	79
		37,122	108,170	1,964	51	1,078	18.2	10.0	0.02	24	0.18	0.19	0.31	411	84
Area No. 9.															
Barnard Castle U.D. ...	J. G. Paley, M.R.C.S., L.R.C.P., D.P.H.	559	4,870	74	4	107	15.2	22.0	—	14	0.21	0.21	—	11	8
Barnard Castle R.D. ...	Do.	110,118	19,020	280	9	227	14.7	11.9	—	25	0.11	0.16	0.26	61	7
		110,6[illegible]7	23,890	354	13	334	14.8	14.0	—	23	0.13	0.17	0.21	72	15
Area No. 10.															
Bishop Auckland U.D. ...	H. G. Donald, M.B., Ch.B., D.P.H. ...	9,332	35,330	655	21	411	18.5	11.6	0.14	35	0.28	0.31	0.54	24	273
Shildon U.D.	P. V. Anderson, M.B., B.S.	4,827	14,310	237	6	175	16.6	12.2	—	30	0.28	0.28	0.49	55	5
Spennymoor U.D.	Vacant	7,543	20,020	348	9	214	17.4	10.7	0.05	23	0.15	0.15	0.15	93	6
		21,702	69,660	1,240	36	800	17.8	11.5	0.09	31	0.24	0.26	0.42	172	284
Area No. 11.															
Hartlepool M.B.	Vacant	1,472	16,940	321	11	219	18.9	12.9	0.06	40	0.30	0.30	0.59	87	66
Billingham U.D.	L. R. Benham, M.B., B.S., D.P.H. ..	7,855	25,070	507	21	210	20.2	8.4	0.04	47	0.04	0.12	0.32	73	20
Darlington R.D.	W. M. Rodgers, M.B., B.Ch., B.A.O., D.P.H.	45,479	16,230	386	7	139	23.8	8.6	—	26	0.18	0.18	0.25	46	7
Sedgefield R.D.	Do.	39,057	36,090	512	15	499	14.2	13.8	—	25	0.28	0.28	0.86	67	178
Stockton R.D.	G. S. Mather, M.B., Ch.B., D.P.H. ...	40,614	8,770	143	2	90	16.3	10.3	—	21	0.23	0.23	0.11	24	7
		134,477	103,100	1,869	56	1,157	18.1	11.2	0.02	34	0.20	0.22	0.52	297	278
Area No. 12.															
Stockton M.B.	H. J. Peters, M.B., B.S., B.Hy., D.P.H., D.P.A.	5,465	74,760	1,473	37	823	19.7	11.0	0.01	30	0.17	0.21	0.45	161	115
ADMINISTRATIVE COUNTY ...		620,275	910,690	15,732	406	10,457	17.3	11.5	0.04	31	0.19	0.21	0.40	3,051	2,054

TABLE C.

DEATHS AT CERTAIN AGES AND FROM CERTAIN SPECIFIED CAUSES WITHIN THE ADMINISTRATIVE COUNTY OF DURHAM—1954.

DEATHS AT SUBJOINED AGES

DISTRICTS	All Ages	Under 1 week	Under 1 month	Under 3 months	3—6 months	6—9 months	9—12 months	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and under 75 years	75 and upwards
Area No. 1.																
Blaydon U.D.	344	8	2	1	1	—	1	13	2	2	1	1	26	86	84	129
Ryton U.D.	164	1	—	—	1	—	2	4	—	—	2	1	10	36	44	67
Whickham U.D.	262	4	1	3	2	—	1	11	—	—	1	—	7	70	72	101
	770	13	3	4	4	—	4	28	2	2	4	2	43	192	200	297
Area No. 2.																
Jarrow M.B.	327	8	3	4	2	—	1	18	1	—	2	3	17	90	86	110
Felling U.D.	284	7	—	1	—	1	—	9	1	1	2	5	15	67	79	105
Hebburn U.D.	241	11	3	1	2	1	—	18	1	2	4	2	13	69	56	76
	852	26	6	6	4	2	1	45	3	3	8	10	45	226	221	291
Area No. 3.																
Consett U.D.	478	11	—	3	5	—	—	19	—	2	—	10	22	127	133	165
Stanley U.D.	544	8	4	3	2	2	—	19	—	2	3	4	35	121	160	200
Lanchester R.D.	185	7	—	—	—	1	—	8	—	1	—	—	6	54	58	58
	1207	26	4	6	7	3	—	46	—	5	3	14	63	302	351	423
Area No. 4.																
Chester-le-Street U.D. ...	210	5	—	3	—	1	2	11	—	2	1	2	10	53	57	74
Chester-le-Street R.D. ...	459	13	3	2	4	—	1	23	—	2	1	7	28	113	119	166
	669	18	3	5	4	1	3	34	—	4	2	9	38	166	176	240
Area No. 5.																
Boldon U.D.	200	8	—	1	—	1	—	10	1	1	3	—	8	47	57	73
Hetton U.D.	228	8	3	1	1	1	—	14	1	—	1	2	14	50	63	83
Houghton-le-Spring U.D.	365	12	2	—	3	1	—	18	1	—	1	6	14	88	92	145
Washington U.D.	203	3	1	1	—	—	—	5	—	1	1	2	10	57	55	72
Sunderland R.D.	377	13	3	—	5	1	—	22	1	1	2	1	22	81	88	159
	1373	44	9	3	9	4	—	69	4	3	8	11	68	323	355	532
Area No. 6.																
Crook & Willington U.D....	359	10	3	1	—	2	—	16	—	2	3	3	15	68	110	142
Tow Law U.D.	36	—	1	—	—	—	—	1	—	—	—	—	1	10	7	17
Weardale R.D.	149	1	—	1	—	—	—	2	—	—	—	2	6	35	42	62
	544	11	4	2	—	2	—	19	—	2	3	5	22	113	159	221
Area No. 7.																
Durham M.B.	232	8	1	1	2	—	1	13	—	1	3	—	17	49	63	86
Brandon & Byshottles U.D.	224	3	2	1	2	2	1	11	—	1	2	2	10	62	60	76
Durham R.D.	394	10	—	3	4	1	—	18	1	2	1	7	15	77	136	137
	850	21	3	5	8	3	2	42	1	4	6	9	42	188	259	299
Area No. 8.																
Seaham U.D.	250	5	—	1	1	3	—	10	1	—	1	—	17	68	73	80
Easington R.D.	828	23	4	3	6	1	1	38	1	7	2	10	53	219	213	285
	1078	28	4	4	7	4	1	48	2	7	3	10	70	287	286	365
Area No. 9.																
Barnard Castle U.D. ...	107	—	—	—	1	—	—	1	—	—	—	1	1	18	29	57
Barnard Castle R.D. ...	227	6	—	—	1	—	—	7	—	—	—	3	7	59	62	89
	334	6	—	—	2	—	—	8	—	—	—	4	8	77	91	146
Area No. 10.																
Bishop Auckland U.D. ...	411	15	2	3	—	3	—	23	2	1	1	3	21	91	125	144
Shildon U.D.	175	3	1	2	1	—	—	7	—	1	—	—	13	48	39	67
Spennymoor U.D. ...	214	4	1	—	3	—	—	8	1	2	1	1	14	61	53	73
	800	22	4	5	4	3	—	38	3	4	2	4	48	200	217	284
Area No. 11.																
Hartlepool M.B.	219	8	2	1	2	—	—	13	2	—	4	5	7	53	63	72
Billingham U.D.	210	15	1	2	1	5	—	24	1	2	1	4	20	72	53	33
Darlington R.D.	139	6	2	1	1	—	—	10	—	1	2	3	7	32	35	49
Sedgefield R.D.	499	9	2	1	—	1	—	13	—	—	1	7	25	133	159	161
Stockton R.D.	90	3	—	—	—	—	—	3	—	—	1	—	6	21	20	39
	1157	41	7	5	4	6	—	63	3	3	9	19	65	311	330	354
Area No. 12.																
Stockton M.B.	823	25	6	3	4	5	1	44	4	6	6	10	50	176	224	303
ADMINISTRATIVE COUNTY ...	10,457	281	53	48	57	33	12	484	22	43	54	107	562	2561	2869	3755

DEATHS FROM SUBJOINED CAUSES.

DISTRICTS	Smallpox	Scarlet Fever	Diphtheria	Enteric Fever	Measles	Whooping Cough	Diarrhoea and Enteritis: Under 2 years	Diarrhoea and Enteritis: Over 2 years	Cerebro Spinal Fever	Encephalitis Lethargica	Erysipelas	Influenza	Cancer—Malignant Disease	Rheumatic Fever	Appendicitis	Other Septic Diseases	Phthisis (Pulmonary Tuberculosis)	Tuberculous Meningitis	Abdominal Tuberculosis	Other Tuberculous Diseases	Bronchitis	Broncho-Pneumonia	Lobar Pneumonia	Pneumonia (all other forms)	Pleurisy	Other diseases of Respiratory Organs	Alcoholism	Cirrhosis of Liver	Nephritis and Bright's Disease
Area No. 1.																													
Blaydon U.D.	—	—	—	—	—	—	—	—	—	—	—	1	59	—	1	1	6	—	—	—	5	7	1	—	—	8	—	—	4
Ryton U.D.	—	—	—	—	—	—	—	—	—	—	—	—	32	1	—	1	8	—	—	—	2	1	2	—	—	3	—	—	1
Whickham U.D.	—	—	—	—	—	—	1	—	—	—	—	—	53	—	—	—	1	—	—	1	—	1	1	1	—	5	—	—	1
	—	—	—	—	—	—	1	—	—	—	—	1	144	1	1	2	15	—	—	1	7	9	4	1	—	16	—	—	6
Area No. 2.																													
Jarrow M.B.	—	—	—	—	—	—	2	1	—	—	—	3	60	1	1	2	11	—	—	1	3	10	1	—	—	2	—	1	2
Felling U.D.	—	—	—	—	—	—	—	—	—	—	—	—	57	1	1	1	5	—	—	—	—	2	1	—	—	4	—	—	4
Hebburn U.D.	—	—	—	—	—	—	2	—	—	—	—	2	45	—	—	1	5	—	—	—	2	8	3	—	—	5	—	1	3
	—	—	—	—	—	—	4	1	—	—	—	5	162	2	2	4	21	—	—	1	5	20	5	—	—	11	—	2	9
Area No. 3.																													
Consett U.D.	—	—	—	—	—	—	2	1	—	—	—	1	80	2	1	1	11	—	—	1	4	10	—	1	—	12	—	4	11
Stanley U.D.	—	—	—	—	—	2	—	—	—	—	—	2	106	—	1	2	5	—	—	—	2	13	4	2	—	14	—	1	7
Lanchester R.D.	—	—	—	—	—	—	1	—	—	—	—	—	33	—	—	1	1	—	—	—	1	4	2	—	—	—	—	—	2
	—	—	—	—	—	2	3	1	—	—	—	3	219	2	2	4	17	—	—	1	7	27	6	3	—	26	—	5	20
Area No. 4.																													
Chester-le-Street U.D.	—	—	—	—	—	1	1	—	—	1	—	—	33	—	1	—	2	—	—	1	1	8	—	1	—	7	—	1	—
Chester-le-Street R.D.	—	—	—	—	—	—	2	—	—	—	—	—	94	—	—	3	7	—	—	—	1	11	—	—	—	5	—	1	10
	—	—	—	—	—	1	3	—	—	1	—	—	127	—	1	3	9	—	—	1	2	19	—	1	—	12	—	2	10
Area No. 5.																													
Boldon U.D.	—	—	—	—	—	—	—	—	—	—	—	—	38	—	—	—	5	—	—	—	1	2	1	—	—	4	—	1	3
Hetton U.D.	—	—	—	—	—	1	1	1	—	—	—	1	42	—	—	1	2	—	1	—	3	1	—	—	—	5	—	—	4
Houghton-le-Spring U.D.	—	—	—	—	—	—	1	—	—	—	—	1	62	—	—	2	7	—	—	—	1	7	—	1	—	6	—	—	6
Washington U.D.	—	—	—	—	—	—	—	—	—	—	—	1	39	1	—	—	1	—	—	1	3	10	—	—	—	3	—	—	—
Sunderland R.D.	—	—	—	—	—	—	1	—	—	1	—	—	53	—	—	1	10	—	—	1	5	10	2	3	1	3	—	1	12
	—	—	—	—	—	1	3	1	—	1	—	3	234	1	—	4	25	—	1	2	13	30	3	4	1	21	—	2	25
Area No. 6.																													
Crook & Willington U.D.	—	—	—	—	—	—	1	—	—	1	—	—	54	—	—	4	1	—	—	—	6	2	2	—	—	7	—	—	8
Tow Law U.D.	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Weardale R.D.	—	—	—	—	—	—	—	—	—	—	—	—	31	—	1	—	1	—	—	—	—	4	—	1	1	2	—	—	—
	—	—	—	—	—	—	1	—	—	1	—	—	87	—	1	4	2	—	—	—	6	6	2	1	1	9	—	—	9
Area No. 7.																													
Durham M.B.	—	—	—	—	1	—	2	—	—	—	—	—	39	—	—	—	3	—	—	—	—	3	1	—	—	4	—	—	2
Brandon & Byshottles U.D.	—	—	—	—	—	—	2	—	—	—	—	1	42	1	1	2	3	—	—	—	1	7	2	1	—	4	—	2	3
Durham R.D.	—	—	—	—	—	—	—	—	—	—	—	—	73	—	1	1	7	—	—	—	3	8	2	2	—	9	—	1	3
	—	—	—	—	1	—	4	—	—	—	—	1	154	1	2	3	13	—	—	—	4	18	5	3	—	17	—	3	8
Area No. 8.																													
Seaham U.D.	—	—	—	—	—	—	—	—	—	—	—	2	47	—	—	—	7	—	—	1	—	1	3	1	1	6	—	1	2
Easington R.D.	—	—	—	—	—	1	1	—	—	1	—	2	146	1	2	2	13	—	—	—	5	16	5	1	—	12	—	5	16
	—	—	—	—	—	1	1	—	—	1	—	4	193	1	2	2	20	—	—	1	5	17	8	2	1	18	—	6	18
Area No. 9.																													
Barnard Castle U.D.	—	—	—	—	—	—	—	—	—	—	—	1	14	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	1
Barnard Castle R.D.	—	—	—	—	—	—	—	—	—	—	—	1	31	—	—	4	2	1	—	—	2	3	—	—	—	5	—	—	7
	—	—	—	—	—	—	—	—	—	—	—	2	45	—	—	4	3	1	—	—	2	3	—	—	—	6	—	—	8
Area No. 10.																													
Bishop Auckland U.D.	—	—	—	—	—	—	5	3	—	1	—	1	79	1	—	2	10	—	—	1	2	12	4	1	—	8	—	—	4
Shildon U.D.	—	—	—	—	—	—	—	—	—	—	—	—	32	—	—	—	4	—	—	—	1	4	1	1	—	5	—	2	2
Spennymoor U.D.	—	—	—	—	—	—	1	—	—	—	—	—	49	—	—	2	3	—	—	—	1	1	1	—	—	2	—	—	2
	—	—	—	—	—	—	6	3	—	1	—	1	160	1	—	4	17	—	—	1	4	17	6	2	—	15	—	2	8
Area No. 11.																													
Hartlepool M.B.	—	—	—	—	—	1	—	—	—	—	—	1	37	1	—	2	5	—	—	—	5	5	—	—	—	1	—	—	5
Billingham U.D.	—	—	—	—	1	—	—	—	—	—	—	1	52	—	2	3	1	1	—	1	1	5	1	1	—	7	—	—	2
Darlington R.D.	—	—	—	—	—	—	—	—	—	—	—	2	19	1	—	—	3	—	—	—	2	2	—	—	—	—	—	—	3
Sedgefield R.D.	—	—	—	—	—	—	—	—	—	1	—	1	76	1	1	4	10	—	—	—	5	22	3	1	—	11	—	2	10
Stockton R.D.	—	—	—	—	—	—	—	—	—	—	—	—	14	1	1	—	2	—	—	—	1	—	—	—	—	2	—	1	—
	—	—	—	—	1	1	—	—	—	1	—	5	198	4	4	9	21	1	—	1	14	34	4	2	—	21	—	3	20
Area No. 12.																													
Stockton M.B.	—	—	—	—	—	—	1	—	—	—	—	—	151	—	3	5	13	—	2	1	7	18	7	2	—	8	—	2	11
ADMINISTRATIVE COUNTY	—	—	—	—	2	6	27	6	—	6	—	25	1874	13	18	48	176	2	3	10	76	218	50	21	3	180	—	27	152

DISTRICTS	Puerperal Sepsis	Other Diseases of Pregnancy, Childbirth & the Puerperal State	Congenital Malformation	Premature Birth	Congenital Debility	Marasmus Atrophy	Injury at Birth	Atelectasis	Meningitis not Tuberculous	Convulsions	Gastritis	Syphilis	Organic Heart Disease	Violent or Accidental Death exclud. Suicide	Suffocation, Overlaying	Burns, Scalds	Suicide	Arterio-Sclerosis	Senility	Cerebral Haemorrhage	Other Defined Diseases	Diseases Ill-defined or unknown	Uncertified Deaths: Under 1	Uncertified Deaths: Under 5	Uncertified Deaths: Over 5	Inquest cases	Transfers: Included	Transfers: Excluded
Area No. 1.																												
Blaydon U.D.	—	1	3	5	1	—	1	—	—	2	—	1	35	9	—	—	3	53	110	11	16	—	1	1	17	28	119	10
Ryton U.D.	—	—	—	—	—	—	—	—	—	—	—	—	17	5	—	—	1	21	57	8	4	—	—	—	11	8	38	14
Whickham U.D.	—	—	6	2	1	—	—	—	—	—	—	—	22	5	—	—	2	47	90	8	14	—	1	—	11	11	84	58
	—	1	9	7	2	—	1	—	—	2	—	1	74	19	—	—	6	121	257	27	34	—	2	1	39	47	241	82
Area No. 2.																												
Jarrow M.B.	1	1	2	5	1	—	2	—	—	—	—	—	31	5	1	1	1	59	97	2	17	—	—	—	17	15	117	6
Felling U.D.	—	—	—	3	—	—	2	2	1	—	—	—	31	10	—	—	4	49	94	3	9	—	1	—	17	22	89	4
Hebburn U.D.	—	—	4	6	2	—	1	1	—	—	—	—	16	5	—	1	2	38	67	6	15	—	1	—	8	11	94	10
	1	1	6	14	3	—	5	3	1	—	—	—	78	20	1	2	7	146	258	11	41	—	2	—	42	48	300	20
Area No. 3.																												
Consett U.D.	—	—	2	9	—	—	—	2	1	—	1	—	40	12	—	—	2	90	139	9	19	1	—	—	26	29	61	265
Stanley U.D.	—	2	2	7	—	—	—	1	1	—	—	—	55	9	—	—	4	93	168	11	30	—	2	—	19	35	205	10
Lanchester R.D.	—	—	1	5	—	—	1	—	—	—	—	—	15	5	—	1	1	42	54	3	11	1	—	—	22	13	57	146
	—	2	5	21	—	—	1	3	2	—	1	—	110	26	—	1	7	234	361	23	60	2	2	—	67	77	323	421
Area No. 4.																												
Chester-le-Street U.D.	—	—	5	3	—	—	—	—	—	—	—	—	18	5	—	—	3	36	65	4	13	—	—	—	18	18	33	235
Chester-le-Street R.D.	—	1	4	10	—	—	3	1	—	—	—	2	30	19	—	—	3	81	144	7	20	—	—	—	26	38	216	6
	—	1	9	13	—	—	3	1	—	—	—	2	48	24	—	—	6	117	209	11	33	—	—	—	44	56	249	241
Area No. 5.																												
Boldon U.D.	—	—	1	5	1	—	1	—	—	—	—	—	24	7	—	1	1	26	60	6	12	—	—	—	10	21	71	5
Hetton U.D.	—	—	3	7	—	—	—	1	—	1	—	1	19	2	—	—	2	44	73	5	7	—	—	—	10	15	65	6
Houghton-le-Spring U.D.	—	—	2	10	1	—	1	—	—	1	—	1	29	10	—	—	2	60	122	6	20	—	1	—	30	27	136	5
Washington U.D.	—	—	2	3	—	—	—	—	—	—	—	—	28	2	—	—	2	32	65	2	8	—	—	—	17	13	77	1
Sunderland R.D.	—	—	6	6	1	—	1	3	1	1	—	1	20	4	—	—	5	54	141	6	23	—	—	—	9	43	98	146
	—	—	14	31	3	—	3	4	1	3	—	3	120	25	—	1	12	222	461	25	70	—	1	—	76	119	447	163
Area No. 6.																												
Crook & Willington U.D.	—	1	6	4	—	—	2	1	—	—	—	1	29	10	—	—	1	74	125	9	10	—	—	—	18	12	90	11
Tow Law U.D.	—	—	1	—	—	—	—	—	—	—	—	—	4	1	—	—	—	8	16	2	1	—	—	—	2	1	9	—
Weardale R.D.	—	—	—	1	—	—	—	—	—	—	—	—	8	4	—	—	3	29	56	1	6	—	—	—	11	8	45	12
	—	1	7	5	—	—	2	1	—	—	—	1	41	15	—	—	4	111	197	12	17	—	—	—	31	21	144	23
Area No. 7.																												
Durham M.B.	—	—	3	5	1	—	—	—	—	—	—	—	14	8	—	—	2	41	78	5	17	—	—	—	16	11	24	311
Brandon & Byshottles U.D.	—	1	2	4	—	—	—	—	—	—	—	—	22	6	—	—	—	38	65	8	6	—	—	—	13	12	64	4
Durham R.D.	—	—	3	8	—	—	1	—	—	1	—	—	41	17	—	—	—	71	116	11	15	—	—	—	24	29	146	13
	—	1	8	17	1	—	1	—	—	1	—	—	77	31	—	—	2	153	259	24	38	—	—	—	53	52	234	328
Area No. 8.																												
Seaham U.D.	—	1	2	3	1	—	—	2	—	1	—	—	25	7	—	—	2	41	66	9	18	—	2	—	14	33	110	5
Easington R.D.	—	—	4	13	3	—	4	2	2	1	—	1	95	30	—	1	6	128	240	24	45	—	1	—	46	91	301	79
	—	1	6	16	4	—	4	4	2	2	—	1	120	37	—	1	8	169	306	33	63	—	3	—	60	124	411	84
Area No. 9.																												
Barnard Castle U.D.	—	—	1	—	—	—	—	—	—	—	—	—	6	2	—	—	1	23	52	4	—	—	—	—	6	3	11	8
Barnard Castle R.D.	—	—	1	3	—	—	—	2	—	—	—	—	18	5	—	—	—	46	83	3	10	—	—	—	13	11	61	7
	—	—	2	3	—	—	—	2	—	—	—	—	24	7	—	—	1	69	135	7	10	—	—	—	19	14	72	15
Area No. 10.																												
Bishop Auckland U.D.	—	1	2	8	2	—	2	—	1	—	—	—	45	10	—	—	3	50	124	12	17	—	2	—	17	17	24	273
Shildon U.D.	—	—	2	1	—	—	—	1	—	—	—	—	7	4	—	—	2	30	58	9	9	—	1	—	4	7	55	5
Spennymoor U.D.	—	1	1	1	1	—	—	2	1	—	—	1	26	5	—	—	1	44	58	3	7	—	1	1	11	9	93	6
	—	2	5	10	3	—	2	3	2	—	—	1	78	19	—	—	6	124	240	24	33	—	4	1	32	33	172	281
Area No. 11.																												
Hartlepool M.B.	—	1	2	4	1	—	—	4	2	—	—	1	15	8	—	—	1	36	65	2	14	—	1	—	20	11	87	66
Billingham U.D.	—	—	5	8	—	—	—	4	—	—	—	—	20	6	—	—	3	40	27	10	8	—	—	1	12	12	73	20
Darlington R.D.	—	—	—	5	1	—	—	2	—	—	—	—	13	7	—	—	3	28	44	1	3	—	—	1	2	13	46	7
Sedgefield R.D.	—	—	—	8	—	—	1	1	—	—	—	—	47	10	—	—	5	100	138	9	32	—	—	—	24	27	67	178
Stockton R.D.	—	—	—	3	—	—	—	—	—	—	—	—	7	2	—	—	—	17	34	—	5	—	—	—	10	3	24	7
	—	1	7	28	2	—	1	11	2	—	—	1	102	33	—	—	12	221	308	22	62	—	1	2	68	66	297	278
Area No. 12.																												
Stockton M.B.	—	2	9	19	1	—	4	1	1	—	—	1	70	29	1	—	8	120	274	17	35	—	6	—	53	43	161	115
ADMINISTRATIVE COUNTY	1	13	87	184	19	—	27	33	11	8	1	11	942	285	2	5	79	1807	3265	236	496	2	21	4	584	700	3051	2054

TABLE D.

THE FOLLOWING TABLE SHOWS THE CLASSIFICATION OF DEATHS AS SUPPLIED BY THE REGISTRAR GENERAL.

(Throughout this report figures relating to deaths are based on local tabulations extracted from the monthly returns submitted by district registrars).

	Causes of Death	Total	M	F	*Urban Districts M	*Urban Districts F	Rural Districts M	Rural Districts F	Age Periods: Male 0—	Male 1—	Male 5—	Male 15—	Male 25—	Male 45—	Male 65—	Male 75—	Female 0—	Female 1—	Female 5—	Female 15—	Female 25—	Female 45—	Female 65—	Female 75—
1	Tuberculosis, respiratory	159	109	50	76	28	33	22	—	—	—	2	36	54	15	2	—	2	—	5	29	9	5	—
2	Tuberculosis, other	14	8	6	6	6	2	—	—	—	—	1	2	3	1	1	—	—	—	—	3	3	—	—
3	Syphilitic disease	27	15	12	10	6	5	6	—	—	—	—	3	5	6	1	—	—	—	—	1	5	2	4
4	Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	Whooping Cough	5	3	2	3	1	—	1	3	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
6	Meningococcal infections	11	5	6	4	4	1	2	1	4	—	—	—	—	—	—	3	2	1	—	—	—	—	—
7	Acute poliomyelitis	5	4	1	4	1	—	—	1	1	—	—	1	—	1	—	—	—	—	—	1	—	—	—
8	Measles	2	2	—	2	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	Other infective and parasitic diseases	26	10	16	5	13	5	3	—	1	—	1	2	3	2	1	4	1	1	—	3	3	2	2
10	Malignant neoplasm, stomach	380	213	167	152	109	61	58	—	—	—	1	10	85	75	42	—	—	—	—	4	47	58	58
11	Malignant neoplasm, lung, bronchus	260	217	43	145	36	72	7	—	—	—	—	10	137	58	12	—	—	—	—	9	18	13	3
12	Malignant neoplasm, breast	152	1	151	—	104	1	47	—	—	—	—	1	—	—	—	—	—	—	—	18	64	41	28
13	Malignant neoplasm, uterus	98	—	98	—	78	—	20	—	—	—	—	—	—	—	—	—	—	—	—	14	46	26	12
14	Other malignant and lymphatic neoplasms ...	850	480	370	344	234	136	136	—	2	2	3	25	135	177	136	—	1	4	4	17	136	109	99
15	Leukaemia, aleukaemia	48	26	22	15	17	11	5	2	2	4	1	4	4	7	2	—	1	2	2	2	9	5	1
16	Diabetes	72	19	53	10	35	9	18	—	—	—	1	1	1	7	9	—	1	—	4	2	14	22	10
17	Vascular lesions of nervous system	1622	791	831	549	588	242	243	—	—	—	3	11	142	269	366	—	—	1	—	16	142	259	413
18	Coronary disease, angina	1397	882	515	567	351	315	164	—	—	—	—	30	348	296	208	—	—	—	—	7	119	229	160
19	Hypertension with heart disease	283	140	143	83	95	57	48	—	—	—	—	3	25	48	64	—	—	—	—	—	33	50	60
20	Other heart disease	1541	735	806	509	546	226	260	—	—	3	6	22	116	184	404	—	—	—	1	32	93	196	484
21	Other circulatory disease	457	238	219	166	148	72	71	1	—	—	—	5	31	49	152	—	—	—	1	11	25	53	129
22	Influenza	62	33	29	29	21	4	8	1	—	2	2	1	11	4	12	—	—	—	—	2	6	5	16
23	Pneumonia	397	239	158	159	91	80	67	44	3	2	3	8	48	60	71	26	2	1	2	3	23	35	66
24	Bronchitis	503	346	157	247	118	99	39	5	2	—	—	8	125	104	102	5	—	—	—	—	24	46	82
25	Other diseases of respiratory system	133	100	33	74	28	26	5	—	3	2	2	6	54	23	10	—	2	1	—	4	11	5	10
26	Ulcer of stomach and duodenum	86	67	19	48	14	19	5	—	—	—	1	5	28	17	16	—	—	—	—	2	4	6	7
27	Gastritis, enteritis and diarrhoea	55	24	31	18	22	6	9	14	2	—	1	1	4	1	1	14	—	—	—	2	8	2	5
28	Nephritis and nephrosis	132	71	61	43	39	28	22	—	—	1	4	15	21	16	14	—	—	—	5	9	17	22	8
29	Hyperplasia of prostate	91	91	—	60	—	31	—	—	—	—	—	—	6	30	55	—	—	—	—	—	—	—	—
30	Pregnancy, childhirth, abortion	9	—	9	—	9	—	—	—	—	—	—	—	—	—	—	—	—	—	1	8	—	—	—
31	Congenital malformations	93	42	51	32	44	10	7	32	3	1	—	3	2	—	1	41	4	1	—	3	2	—	—
32	Other defined and ill-defined diseases	1017	493	524	306	359	187	165	154	6	5	12	27	94	69	126	115	6	3	3	29	106	90	172
33	Motor vehicle accidents	94	74	20	50	15	24	5	—	4	7	15	15	14	7	12	—	3	1	1	3	4	4	4
34	All other accidents	287	171	116	105	68	66	48	7	2	6	15	42	44	23	32	7	4	5	—	4	7	21	68
35	Suicide	81	62	19	41	13	21	6	—	—	—	—	18	30	8	6	—	—	—	2	7	10	—	—
36	Homicide and operations of war	7	4	3	2	3	2	—	—	—	—	—	1	2	1	—	1	—	—	1	—	1	—	—
	TOTAL	10456	5715	4741	3864	3244	1851	1497	267	35	35	74	316	*1572	1558	1858	216	31	21	32	245	989	1306	1901

*Including Municipal Boroughs of Durham, Hartlepool, Jarrow and Stockton.

TABLE E.

Comparative Vital Statistics, Administrative County of Durham, and England and Wales, 1954.

	Rates per 1,000 Population.										Rates per 1,000 Live Births.		Rates per 1,000 Total (Live and Still) Births.
			DEATHS								DEATHS		
	Live Births	Still Births	All Causes	Typhoid & Para-Typhoid	Whooping Cough	Diphtheria	Tuberculosis	Influenza	Acute Poliomyelitis	Pneumonia	Under one year—all causes	Enteritis & Diarrhoea Under 2 years	Maternal Mortality
DURHAM COUNTY ...	17.3	0.45	11.5	—	0.01	—	0.21	0.03	0.003	0.32	31	1.72	0.87
*ENGLAND & WALES	15.2	0.36	11.3	0.00	0.00	0.00	0.18	0.04	0.00	0.41	25.5	†	0.69

*Provisional. †Not available.